

Christian County Health
 Department
 Environmental Health
 730 N Pawnee Street
 Taylorville, IL 62568
 Phone: (217) 824-4113
 Fax: (217) 824-5407



Public Health
 Prevent. Promote. Protect.
**Christian County
 Health Department**

Permit Fee: \$150/\$350 Permit #: _____
 Date Issued: _____
 Expiration Date: _____
 Contractor Name: _____
 Contractor Phone #: _____
 License #: _____
 Check One: New Construction
 Replace Existing System

Application for Permit for Private Sewage Disposal Installation

IMPORTANT: The Christian County Health Department does not guarantee trouble-free operation of this sewage treatment disposal system by the issuance of this permit or by the final approval of the sewage disposal installation. The contractor who installed the system is responsible for compliance with the Illinois Private Sewage Disposal Licensing Act and Code, and with the Christian County Private Sewage Disposal Systems Ordinance. The property owner is responsible for any nuisance or health hazard that may result from the use of the system.

NOTE: THIS PERMIT EXPIRES 6 MONTHS FROM THE DATE OF APPROVAL IF CONSTRUCTION OF THE SYSTEM HAS NOT STARTED.

Property Owner's Name: _____ Telephone #: _____
 Mailing Address: _____
 System Address: _____
 Directions to location of installation: _____

 Township: _____ Section #: _____ Quarter Section: _____
 Parcel #: _____ Subdivision: _____ Lot #: _____

Building Type (Check **ONE**): Residence ___ # of bedrooms: _____ Commercial ___ Other ___
 (Explain): _____ # of occupants/employees _____ Seating Capacity _____
Garbage Disposal? Yes ___ No ___ **Water Supply:** Private ___ Public ___ **Soil Type:** _____
Special Conditions/Restrictions _____

Type of system to be installed: _____ **Pre-Treatment:** Type _____ Size _____
Primary Treatment: _____ Septic Tank Size #1 _____ Gallon Size #2 _____ Gallon
Type: Concrete ___ Plastic ___ Other ___ (explain): _____ Distance to well: _____ feet
 Aerobic tank treatment capacity: _____ gallon/day Model: _____ Distance to foundation: _____ feet
Secondary Treatment: Absorption trenches: Total Linear feet: _____ Total square feet: _____ # of lines: _____
 Length: _____ Width: _____ Type of gravel less pipe: _____
 Distance to property line: _____ ft. Distance to well: _____ ft. Subsurface or buried sand filter size: _____ sq. ft.
 Re-circulating sand filter tank size: _____ Size of open sand filter: _____ Surface Discharge? YES ___ NO ___
 Location of discharge: _____ Chlorination? YES ___ NO ___

I hereby certify that, to the best of my knowledge, the preceding information is correct. In addition, the sewage disposal system will be installed strictly as outlines in the permit in conformance with the Christian County Private Sewage Disposal System Ordinance.

Signature of Contractor/Installer _____ Date _____
 Application Approving Authority _____ Date _____
 Final Inspection Approving Authority _____ Date _____

FOR OFFICE USE ONLY
 Initial Approval:
 Contractor on _____ (Date) _____ (Initials)
 Final Approval:
 Contractor/Homeowner on _____ (Date) _____ (Initials)

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Property Owner:

Permit #:

Sketch of Installation

This sketch must be drawn to scale using a ruler and illustrate the following:

1. Lot Size: Acreage_____ Area_____
2. Property lines with dimensions; House or building location.
3. Water well location and/or water lines with distance to sewage system parts.
4. Proposed sewage disposal system with distances from property lines.
5. Include streams and/or water ways.
6. Site elevations and ground surface elevations sufficient to determine the elevation of system components and the slope of the ground shall be indicated.

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Memorandum

To: Contractor/Homeowner

From: The Christian County Health Department, Environmental Health Division

Re: Septic System Installation Application Packet and Procedure for Septic Tank Installation and Repairs

Attached in this Septic System Installation application pack you will find:

1. Application for Permit for Private Sewage Disposal Installation
2. Sketch Sheet of Installation Plan
3. Minimum Requirements for Septic Tank Installation
4. Soils Loading Rate Chart

Please submit all completed forms in the application package with the fee payable to the Christian County Health Department (\$350.00 for installation by homeowner or \$150 for installation by a licensed installer).

Please include soil analysis results with the application.

A request for variance from this Department is required at the time the application package is submitted if:

- a. The requirements of the Private Sewage Disposal Licensing Act and Code cannot be met; OR
- b. The lot is under one (1) acre in size.

Your application package must be approved by the Christian County Health Department before construction begins on a new installation or repair of an existing system. Your approved permit will be issued upon final inspection.

Two inspections *may* be required:

1. Initial inspection (if circumstances warrant); AND
2. Final inspection of the installation or repair of existing system is required prior to back filling.

48 hours' notice is required for:

- 1. Requests for soil analysis of proposed subdivisions or property division; AND**
- 2. Final septic system inspections.**

If you have any questions, please contact the Christian County Health Department at (217) 824-4113 and ask to speak with someone in the Environmental Health Division. Your cooperation is appreciated.

Please use the attached Septic Application and Specifications from this date forward. Thank you!

**MINIMUM REQUIREMENTS FOR SEPTIC TANK INSTALLATION
SPACING FOR SEEPAGE FIELD CONSTRUCTION
(GRAVELESS AND CHAMBER SYSTEMS)**

Gravel less and Chamber Dimensions	Minimum Center to Center Spacing Distribution Lines
8 Inch Inside Diameter of Gravel less Pipe System	7.0 feet
10 Inch Inside Diameter of Gravel less Pipe System	7.0 feet
12 Inch Wide Chamber System	7.0 feet
18 Inch Wide or Wider Chamber System	9.0 feet

(Source: Amended at 37 Ill. Reg. 14994, effective August 28, 2013)

MINIMUM LIQUID CAPACITIES FOR SEPTIC TANKS SERVING AN INDIVIDUAL DWELLING

# OF POTENTIAL BEDROOMS	WITHOUT GARBAGE DISPOSAL	WITH GARBAGE DISPOSAL
2 or less	750 gallons	1125 gallons
3	1000 gallons	1500 gallons
4	1250 gallons	2000 gallons
5	1500 gallons	2200 gallons

MINIMUM LIQUID CAPACITIES FOR AERATION SYSTEMS SERVING AN INDIVIDUAL DWELLING

# OF BEDROOMS	EFFLUENT TREATMENT	# OF BEDROOMS	EFFLUENT TREATMENT
0 to 4	500 gallons per day	7	1000 gallons per day
5	750 gallons per day	8	1200 gallons per day
6	900 gallons per day	9	1350 gallons per day
		10	1500 gallons per day

LOCATION OF COMPONENTS OF SEWAGE DISPOSAL SYSTEM

COMPONENT PART OF SYSTEM	CISTERN WELL/ SUCTION LINE FROM PUMP TO WELL	WATER SUPPLY LINE (PRESSURE)	LAKE/STREAM BODY OF WATER	DWELLING	PROPERTY LINE	FIELD/ ARTIFICIAL DRAIN TILE
Building Sewer	50	10	25	--	--	--
Septic Tank/Aerobic Treatment Plant	50	10	25	5	5	--
Distribution Box	75	10	25	10	5	--
Subsurface Seepage System	75	25	25	10	5	10
Sand Filter	75	25	15	10	5	10
Privy	75	25	25	20	5	10
Waste Stabilization Pond	75	25	25	20	5	10
Surface Discharge Effluent Line	50	10	--	--	5	--
Effluent Line Receiving Trench	75	25	15	10	5	10
Treated Effluent Discharge Point ⁶	50	10	-	20	25	25
Class V Injection Wells ⁷	200 ⁸	25	25	10	5	10

1 These distances have been determined for use in clay, silt, and loam soils only. The minimum distances required for use in sand or other types of soil shall be determined for the proposed private sewage disposal system and approved by the Department. Approval will be given if the Department determines that the soil will provide treatment of the sewage.

2 For Separation distances to closed loop well, see 77 Ill. Adm. Code 920.180

3 See Section 905.20(d) for additional details on water line and sewer separation.

4 If a common property is used, the boundary of the common property shall be used.

5 The building sewer or surface discharge effluent line may be located to within 10 feet of a well or suction line from the pump to the well when cast iron pipe with mechanical joints or Schedule 40 PVC pipe with watertight joints is used for the building sewer or surface discharge effluent line.

6 Any surface discharging system installed, repaired, or renovated after January 1, 2014.

7 Class V injection Wells are defined in Illinois Pollution Control Board rules. They are typically a shallow well used to place fluids directly below the land surface. See, e.g., 35 Ill. Adm. Code 704.105, 704.106, and 704.280.

8 A lesser separation distance may be obtained with approval or a waiver from IEPA.

9 There shall be 25 feet separation from public water supply, water mains, and water service lines. The terms public water supply, water main, and water service line shall have the same meaning as in the Illinois Pollution Control Boards Public Water Supplies rules. See, e.g., 35 Ill. Adm. Code 653.118 and 653.119.

SOILS LOADING RATE CHART

Loading rates in Square Feet per Bedroom and Gallons/Square Feet/Day

Design Group	Soil Group (Most Limiting Layer)	Minimum Separation to Limiting Layer	Permeability Range	Size of the System	
				Residential Reg. Absorption (ft ² /bedroom)	Institutional/Commerical Allowable Application Rate (GPD/ft ²)
I	1A	NR	Very Rapid		NR ³
II	2A; 2B, 2K	3 feet	Rapid	200	1.0
III	3B; 3K	3 feet	High Moderately Rapid	220	0.91
IV	3A; 3L; 4D; 4K	3 feet	Low Moderately Rapid	240	0.84
V	4A; 4B; 4H; 4L; 5D	3 feet	Very High Moderate	265	0.75
VI	4F; 4M; 5B	3 feet	High Moderate	290	0.69
VII	4N; 5A; 5C; 5H; 5K; 6D	2 feet	Moderate	325	0.62
VIII	4O; 5E; 5I; 5L; 6A; 6B; 6E; 6H; 6K	2 feet	Low Moderate	385	0.52
IX ²	5F; 5M; 6C; 6L; 7D; 7F	2 feet	High Moderately Slow	445	0.45
X ²	5G; 6F; 6I; 7E; 7C; 7H	2 feet	Low Moderately Slow	500	0.40
XI ²	5N; 6G; 6J; 6M; 7F; 7I	2 feet	Slow	740	0.27
XII ²	7G; 7J; 7L; 8E; 8I	2 feet	Very Slow	1000	0.20
XII ²	5O; 6N; 6O; 7M; 7N; 7O; 8J; 8M; 8O	NR ³	NR ³	NR ³	0.00
XIII	9	SUBSURFACE DISPOSAL NOT RECOMMENDED			

NOTES:

1. Limiting layers include fragipans; bedrock; compact glacial tills; seasonal high water table or other soil profile features that will materially affect the absorption of liquid from the disposal field.
2. ² Soils in this group are less than the minimum percolation rate established in Appendix A, Illustration H as suitable for subsurface seepage systems.
3. ³ NR = Subsurface disposal system not recommended.