

ON-SITE WASTEWATER TREATMENT SYSTEM CONSTRUCTION PERMIT

Allegany County Department of Health
Environmental Health
7 Court Street, 3rd Floor
Belmont, NY 14813
Phone: (585) 268-9266
Fax: (585) 268-9712

PERMIT # _____ *Office Assigns _____

of bedrooms _____ # of Garbage Grinders(Disposals) _____

of Spas/Tubs (exceeding 50 gals) _____ Type of Dwelling _____

Approximate Lot Dimensions ___X___ / Acres _____

PLEASE READ THIS DOCUMENT THOROUGHLY - IT HAS IMPORTANT INFORMATION

Property Owner (Please Print)-Name & Mailing Address:

_____ Home _____

_____ Cell _____

PROPERTY LOCATION:

(Village)/(Town) _____

Allegany County, NY

In accordance with the requirements of the Allegany County Department of Health, you are hereby granted permission to construct an on-site wastewater treatment system at the above location in accordance with this permit and any sketches or detail and conditions herein or previously provided.

The applicant agrees that neither the County of Allegany nor its employees shall be liable to the contractor, owner or any other person for any act or omission of any employee of the Allegany County Department of Health and agrees to hold the County of Allegany free and harmless for any failure of the sewage system or for liability that may occur as a result of the design, construction and operation of the sewage system approved for construction by this permit. The applicant has the option of retaining a professional engineer of their choice to design the sewage system being considered. The applicant, in executing the application for this permit, has elected to adopt the sewage system designed for the applicant with the help of the Allegany County Department of Health, as their own design and has decided not to either consult with or have the sewage system designed or reviewed by a private, licensed engineer.

The applicant has the option of refusing said permit based upon the particular design. If the applicant selects this option, they are required to submit to the Allegany County Department of Health for approval a plan prepared by a professional engineer for the same. In some cases, with replacement sewage systems, it may be impossible to comply with the rules and regulations. In these cases, the Allegany County Department of Health will attempt to issue a permit which will reflect the best possible design with the lot size available.

IMPORTANT REQUIREMENTS: The installation, upon near completion and PRIOR TO COVERING, must be inspected by this department. At least 24 hours prior notice is required before final inspection. If this project is not completed within ONE YEAR from date of issue, or an extension granted, this permit shall become null and void. (NOTE: Only four extensions can be granted after the original permit expires).

All household liquid wastes including bathroom, kitchen and laundry wastes must be disposed of through this installation. Roof leaders, cellar or footing drains, sump pumps, and wastes from water softening units must be entirely separate from the on-site wastewater treatment system and must be located at least 20 feet from the treatment area. Water softening wastes shall be kept 50 feet from any water supply well.

If a water supply is proposed, it must be located according to NYSDEC regulations and NYSDOH Appendix 5-B specifications. This permit in no way negates local municipal zoning or building requirements.

_____/____/____
Applicant's Signature or _____ Date
Authorized Representative

FOR OFFICIAL USE ONLY

_____/____/____
Permit Issuing Official _____ Date

_____/____/____
Reviewing Engineer _____ Date

***Permit Issued On:** ____/____/____

*** Permit Expires On:** ____/____/____

SPECIFICATIONS

Type of System: Replacement System New System

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BUILDING SEWER - 4" schedule 40 PVC sewer pipe from foundation to septic tank, leak proof joints, min. slope 1/4 " per foot without bends.

AEROBIC UNIT: Rated to treat: ____ gal/day. Min. distance to well and/or surface water: **50** ft.

- In lieu of a septic tank and sand filter, an Aerobic Unit classified as Class 1 (in accordance with NSF Standard 40) will be installed.
- Discharge from aerobic unit will be gravity flow to: _____
- Electrical installation must be approved by a certified electrical inspector.
- **A condition of approval is that a 2-year initial service contract shall be provided to the owner of the ATU** and the cost shall be included in the purchase price. It shall contain provisions for 4 inspection/service visits (scheduled every 6 months over the contract period) during which electrical, mechanical, and other applicable components are inspected, adjusted and serviced. *The contractor shall provide a copy of service contract to Health Department within 7 days after system was approved for covering.*
- After the initial service period, the homeowner is obligated to obtain and maintain a service contract from an authorized representative for the useful life of the system as a condition of approval. *The contractor shall be responsible for informing the homeowner of their obligation to maintain a service contract for the life of the system.*

SEPTIC TANK: Capacity: ____ gal. Type: New Existing Replacement

Min. distance from house: **10** ft. Min. distance to well and/or surface water: **50** ft.

- Water tight concrete, fiberglass OR polyethylene.
- **Septic Tank Covers shall always be accessible.**
- Where Manholes are more than 12" below final grade, an extension collar shall be provided over each opening.
- When covers are flush with ground surface they must be locked or otherwise be made inaccessible to eliminate a safety hazard
- **Installation of an effluent filter on septic tank is required.**

NOTE: TWO-COMPARTMENT SEPTIC TANKS ARE REQUIRED.

SEWER FROM TANK TO DISTRIBUTION BOX:

4" Schedule 40 PVC or SDR 35 PVC or equivalent. Tight joints. Minimum grade: 1/8" per foot.

Septic Tank Capacities

# of Bedrooms	Minimum Tank Capacity (gallons)
1-3	1,000
4	1,250
5	1,500
6	1,750

PRIMARY DISTRIBUTION BOX: Baffle required Min. distance to well and/or surface water: **100** ft.

Adjustable outlet flow equalizing devices are recommended. Solid pipe out of box to elbows; 3feet out for all other lines

PUMP CHAMBER: Minimum chamber capacity: ____ Min. distance to well and/or surface water: **50** ft.

Dose volume not to exceed 85% of the volume of distribution network piping. High level alarm must be installed. Electrical work must be inspected by a certified electrical inspector. Tank must be vented

Absorption Trenches: 4" standard construction Min. distance from house **20** ft.

No. of laterals: ____ Length per lateral: ____ ft. (min.) Slope 1/16" to 1/32" per ft.

Trench width: **24** in. Trench depth: ____ in. Min. distance between trenches: **4** ft. (6 ft. on center)

Min. distance to well and/or surface water **100** ft.

- **For perforated pipe construction, use 6" of no. 2 clean washed stone under pipe and 2" above pipe.**
- Lay untreated building paper, straw, or geo textile over gravel before replacing earth
- Do not strip soil, nor work when wet, nor drive heavy equipment over the tile field

Continuous Absorption Bed (Replacement Systems Only)

4" laterals spaced 5 feet on center

- Perforated pipe laid level (slight grade of solid pipe out of distribution box)
- Ends connected

Bed Width: _____ Bed Length: _____ Bed Depth: _____

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SEEPAGE PITS: Number: _____ Min. distance to well: **150** ft. Min. distance to surface water: **100** ft.
Min. distance from house **20** ft

Effective Depth: _____ ft. (inlet to bottom); Effective Diameter: _____ ft. (annular ring of aggregate > 2.5")

- Linings may be pre-cast, cast-in-place, or un-mortared hollow cinder blocks laid on side and shall be surrounded with at least 6" of washed aggregate 2.5" to 4" in diameter.
- Separation between outside edges of pits shall be 3 times the Effective Diameter.
- Laterals to pits shall be at least 4" diameter pipe with a slope of at least 1/8" per foot.
- Pits shall not be connected in series but shall be connected by way of a distribution box.
- If groundwater is encountered during construction, the pit shall be backfilled to 3 feet above the water level with original soil.
- Annular aggregate shall be covered with untreated building paper, geotextile or a 4" layer of hay/straw.

SAND FILTER: _____ ft. wide by _____ ft. long. Standard construction

Min. distance to property line: **10**ft. Min. distance to well and/or surface water: **100** ft. Min. distance from house **20** ft

- Filter sand must be from an approved source
- Washed aggregate required
- Lay untreated building paper, straw, or geo textile over gravel before replacing earth
- Call Allegany County Department of Health for latest information on sources of filter sand (585) 268-9250
- Detail sheet for additional information available from the Allegany County Department of Health
- **DO NOT DRIVE OVER SAND FILTER DURING CONSTRUCTION.**

Number of Bedrooms				
2	3	4	5	6
12 x 25	12 x 38	12 x 50	18 x 42	18 x 50
18 x 17	18 x 25	18 x 34		

Raised Continuous Absorption Bed following Sand Filter:

Secondary distribution box if bed wider than 10 feet

Total length: _____ ft. Total Width: _____ft

Min. distance to property line: _____ ft. Minimum distance to well and/or surface water: **100** ft.

- 4" laterals spaced 5 feet on center
- Detail sheet for additional information available from the Allegany County Department of Health
- Lay untreated building paper, straw, or geo textile over gravel before replacing earth

Number of Bedrooms					
1	2	3	4	5	6
5 x 33	5 x 33	5 x 49	10 x 33	10 x 41	10 x 49
10 x 16	10 x 16	10 x 25	15 x 22	15 x 27	15 x 33
		15 x 17		20 x 21	20 x 25

Detached 20 foot "T" diffuser Following Sand Filter (replacement system only)

REMARKS:

NOTE: PLEASE REFER TO THE ATTACHED SKETCH FOR SYSTEM LAYOUT

IMPORTANT INFORMATION: In order to insure the life of your sewage system, the septic tank should be cleaned every 2 to 4 years depending on usage and the amount of solids discharged to the system. Septic tanks are best cleaned in the warmer seasons to insure rapid recovery of bacterial activity. It is recommended that the owner or contractor make a sketch with dimensions so the system parts can be located in the future. Normal use of household detergents and chemicals will not harm your sewage system. We urge you to avoid the use of so-called septic tank "cleaners", "conditioners," or "additives" as they have not been shown to be beneficial and may actually harm the system by flushing solids from the septic tank into the seepage pit, absorption field, or sand filter.



Allegany County Environmental Health Department Site Inspection and Soil Percolation Tests

Property Owner: _____ Property Location: _____

Township: _____ Reason for Inspection: _____

Date: _____ Inspector: _____ Others Present: _____

Presoaked: Yes / No **Water Supply:** Public / Private **Method of Digging:** Hand / Machine

TEST HOLE	DEPTH & DIAMETER OF HOLES SOIL TYPES	TIME	PERCOLATION TEST RUNS			
			#1	#2	#3	#4
		F				
		S				
		TIME				
		DROP				
		F				
		S				
		TIME				
		DROP				
		F				
		S				
		TIME				
		DROP				
		F				
		S				
		TIME				
		DROP				

Deep Hole Information:

- Soil Types Noted: _____
- Depth to Ground Water / High Water: _____

Number of Wells within 200 Feet of Percolation Test: _____ (Plot on Map)

Surface Water Drainage Concerns: _____

***** PLEASE COMPLETE PLOT MAP ON THE NEXT PAGE*****

ENGINEERED PLANS ARE REQUIRED IF ANY OF THE FOLLOWING QUESTIONS ARE ANSWERED YES

Ground water is < 2' below wastewater treatment system	YES	NO	Excessive slope (> 15% generally)	YES	NO
Required separation distances cannot be achieved	YES	NO	Bedrock and/or shale at shallow depth	YES	NO
(*Waiver may be issued on repair system only)					
Insufficient slope on site (pump required)	YES	NO	Commercial Facility with > 500 GPD flow	YES	NO