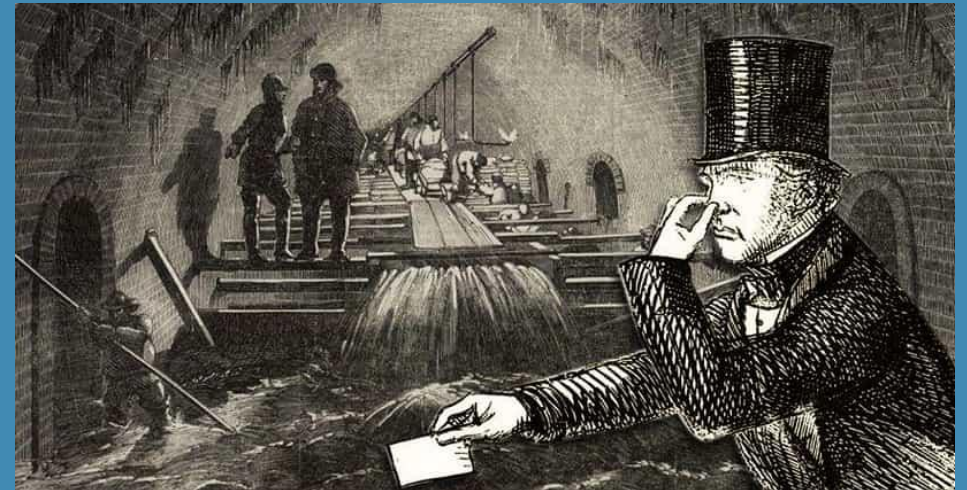
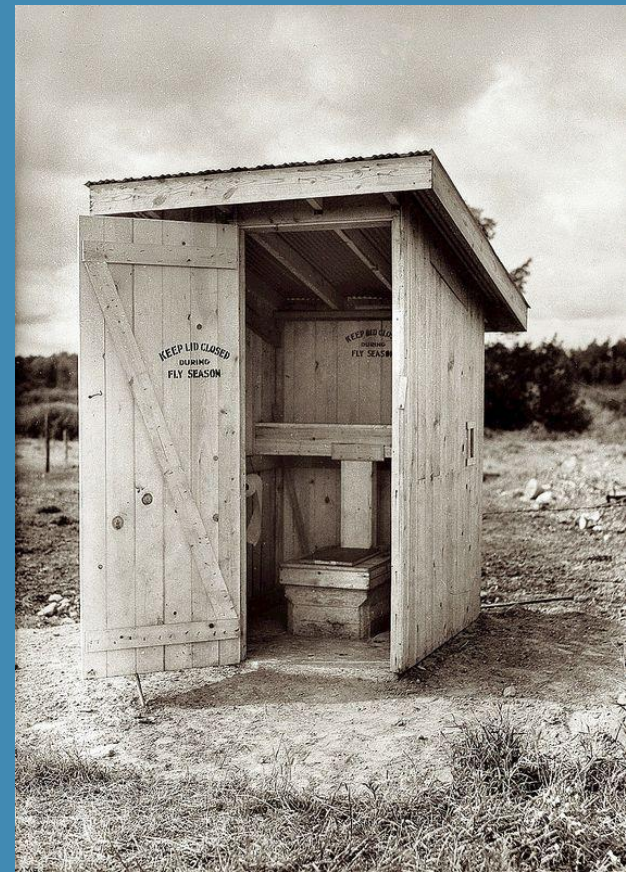




SEPTIC SYSTEMS IN JEFFERSON COUNTY, WV

HISTORY OF SEPTIC SYSTEM

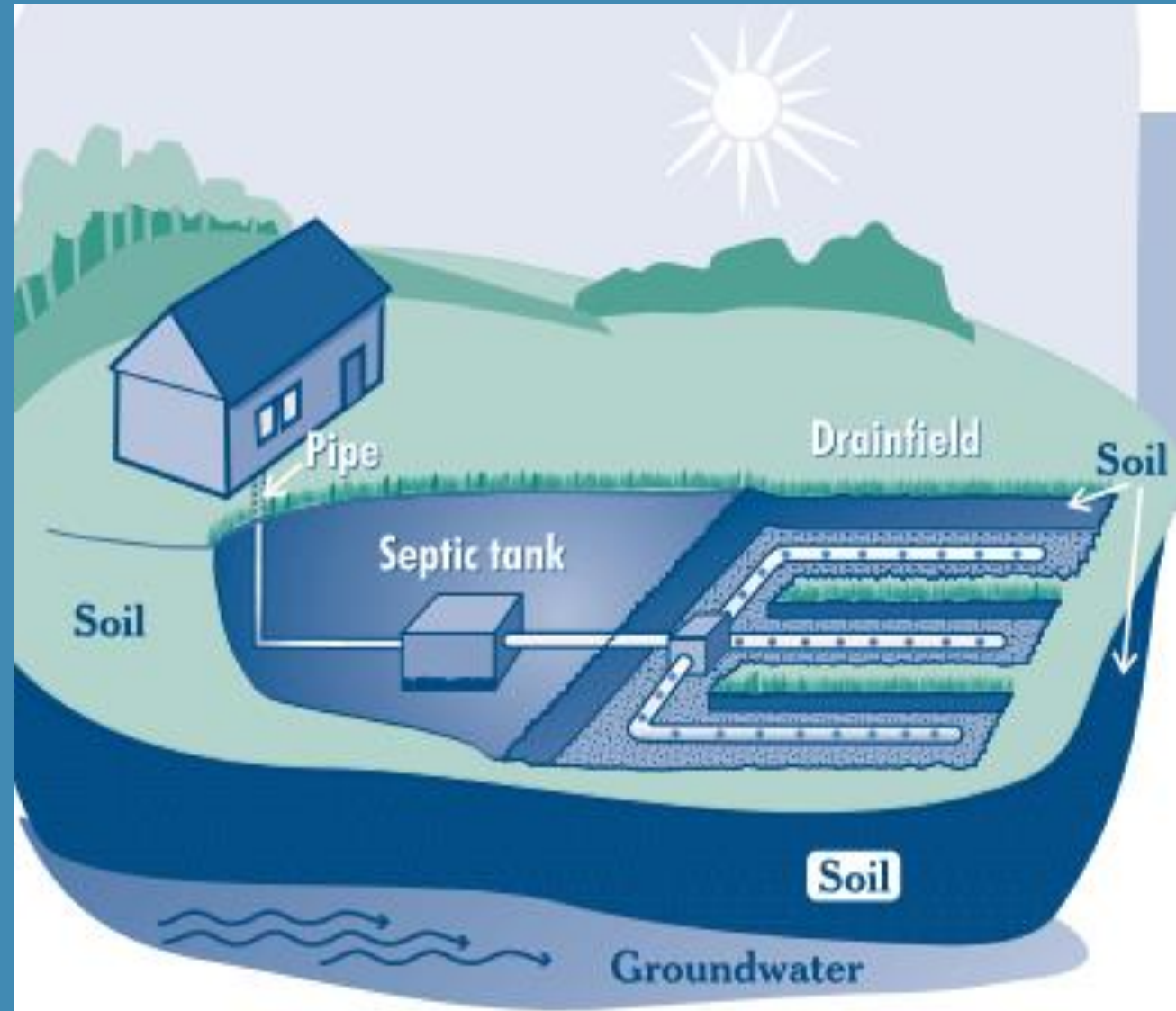
- Toilet structures and sewage systems have always existed with earliest ones dating 3,500 BC
- Septic Tank was invented as a combination of a cesspit and the flush toilet
- First prototype by Jean-Louis Maurus was made of concrete in 1860
- He enlisted scientists to help figure out how it worked and found that bacteria was treating the wastewater



WHAT IS A SEPTIC SYSTEM?

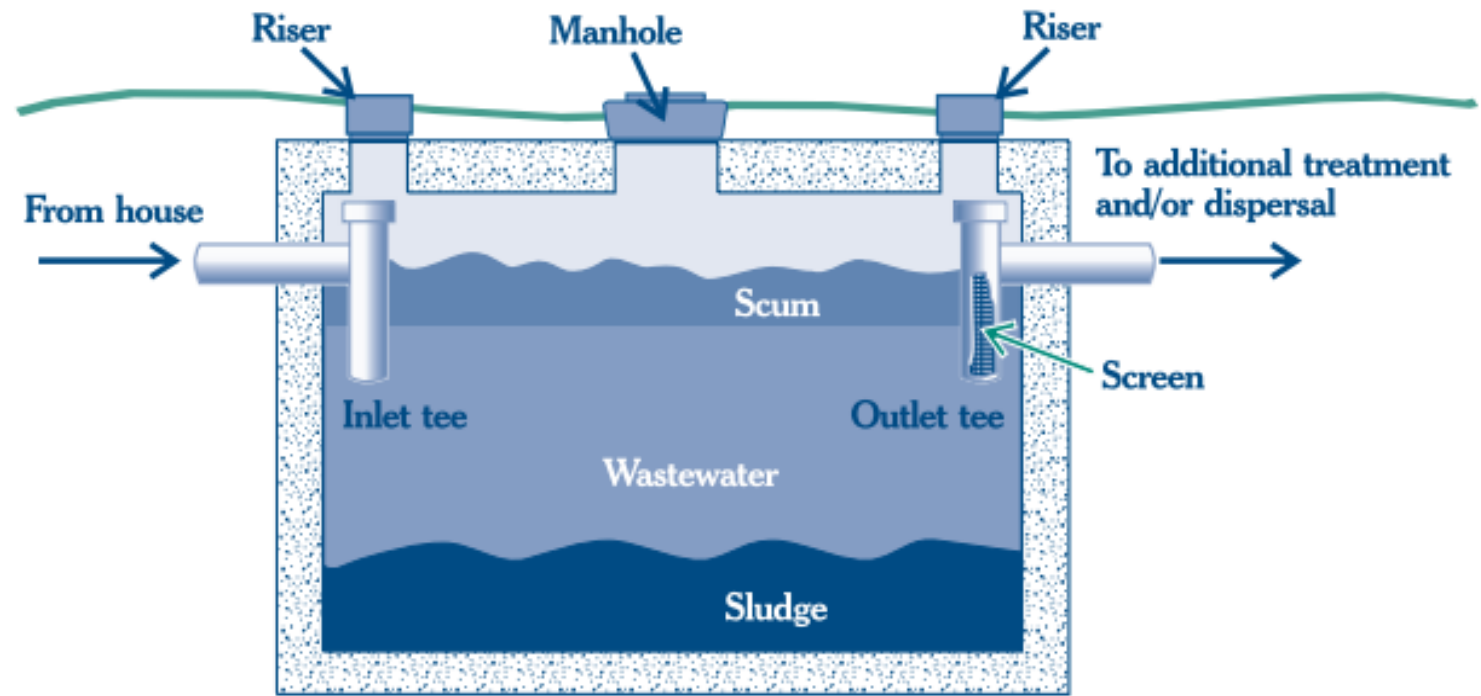
A typical septic system consists of 4 parts:

- A pipe connecting the house to the tank
- A septic tank
- A drainfield
- Soil



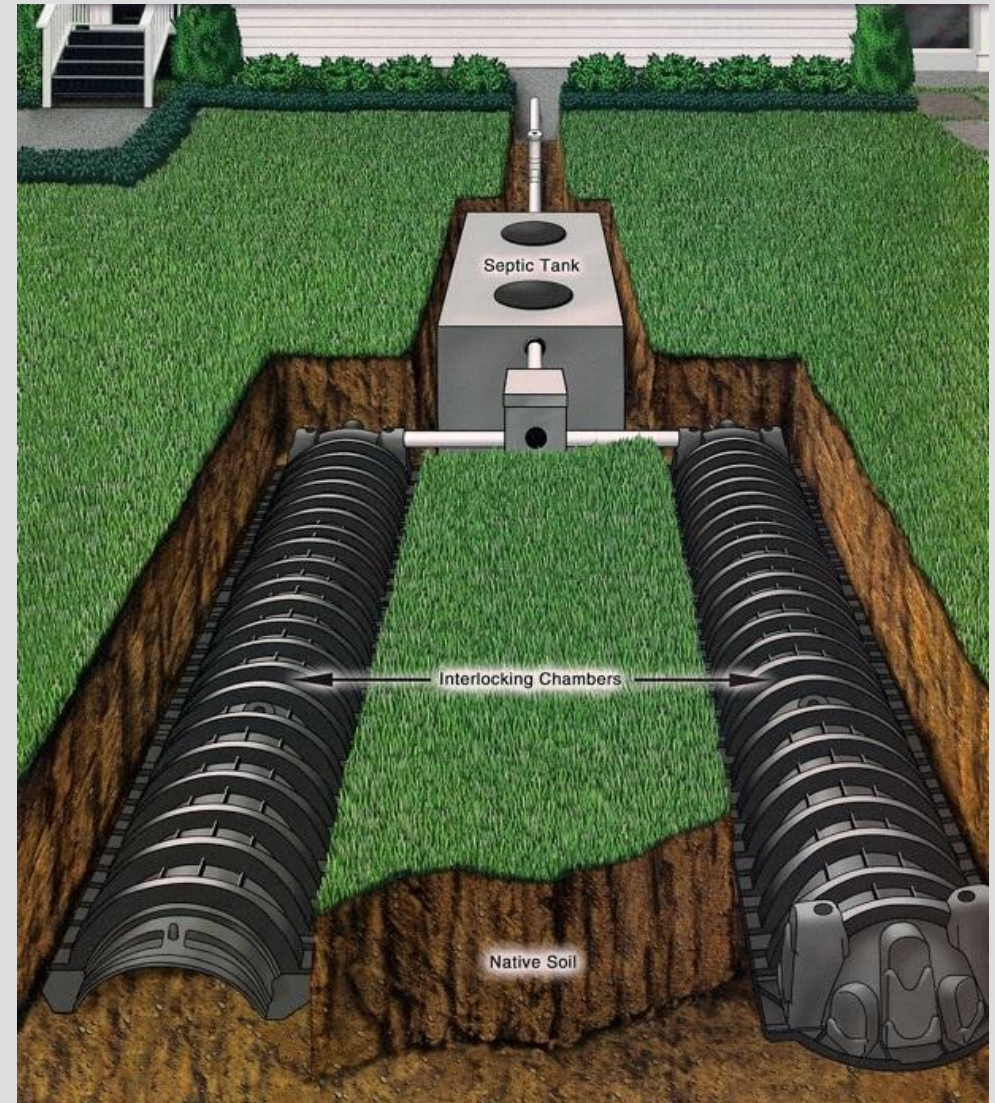
SEPTIC TANK

- Septic tanks are constructed of concrete, fiberglass, or plastic
- May have a riser on it for easy location
- Holds solids and allows water to pass through to the drainfield



DRAINFIELDS

- Drainfields allow the water to pass through for treatment by the soil(bacteria)
- Drainfields only work as long as they are properly sized, located, and not overloaded with water



ALTERNATIVE SYSTEMS

- When soil is not suitable for filtering the wastewater, there are other systems available
- These require perpetual maintenance and monitoring
- Types include a sand mound, an aeration unit, or a Low-Pressure pipe system
- Only approved in extreme circumstances



HOW TO KNOW WHAT YOU HAVE

- Find your copy of the SS-177
- JCHD Septic information request - \$30
- Hire a certified installer to excavate and map your system



Permit #: _____

Lot: N: _____ Health Department

Tax Map #: _____

Long: W _____ **ON-SITE SEWAGE DISPOSAL SYSTEM INSPECTION REPORT**

Parcel #: _____

Name of Owner: _____ Installer: _____

Owner Address: _____

Property Location: _____

Subdivision: _____ Lot number: _____

Type of Facility: _____ Facility is: _____ Lot Size (ft²/acres): _____

Design Loading: _____

Bedrooms: _____ or GPD _____ Water Supply: _____ Type: _____

System requires a perpetual maintenance program as per §64CSR9.7.2: ☐ Yes ☐ No

SEPTIC TANK(s)										
	Capacity in Gallons:	Constructed of:	Manufacturer:	Inspection Port or Riser Installed?		Distance to dwelling:	Distance to water:		Distance to property line:	Effluent filter installed?
				Port	Riser		Line	Source		
Septic Tank 1										
Septic Tank 2										
Septic Tank 3										

PUMP CHAMBER					
Capacity in Gallons:	Constructed of:	Manufacturer:	Inspection Port or Riser Installed?	Distance to dwelling	Distance to property line:

PUMP				
Make and Model:	Time Dosed:	High Water Alarm Installed?	Minimum Pump Capacity	Maximum Pump Capacity:

BED AREA			
Bed Configuration:	Length:	ft.	Width: ft.

HOW TO MAINTAIN YOUR SYSTEM

- Have your tank pumped every 3-5 years. At that time, the tank will be inspected for leaks and assessed for any repairs needed.
- Reduce your water usage. Utilize energystar home appliances to save water. Reduce laundry load sizes.
- Reduce use of garbage disposal. Remember the bacteria! Pump more frequently if needed.
- Properly dispose of trash and ensure no household products end up in your system.
- Maintain your drainfield! Do not park on it or place permanent structures over top of it.

BE AWARE OF FAILURES

- Routinely inspect your yard for signs of septic failure
- Immediately contact a certified septic installer who can assess what is wrong and correct it.
- If neglected, groundwater can become contaminated.
- Legal action can be taken to ensure correction of system.
- Financial programs are available through WV DEP and local grants or non-profits.
- The health department will work with you.



Alexis Davy, REHS
Environmental Health Manager
Jefferson County Health Department
304-728-8416 Ext 30333
Alexis.l.davy@wv.gov