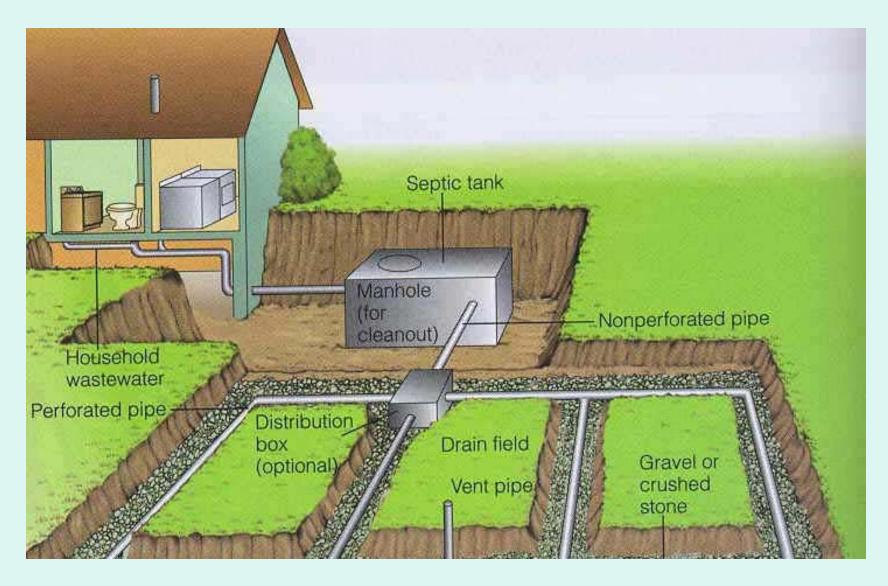
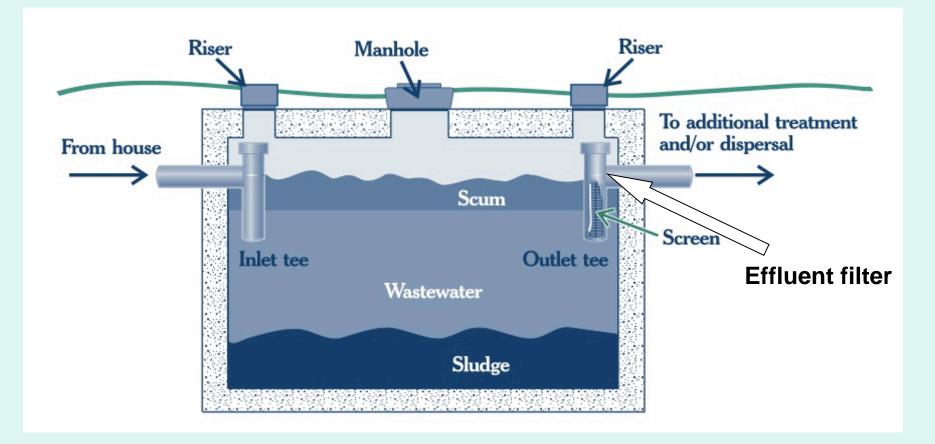
Septic System Maintenance **Galien River Watershed Implementation Project** August 3, 2011 Ken Priest Supervising Sanitarian **Berrien County Health Department**

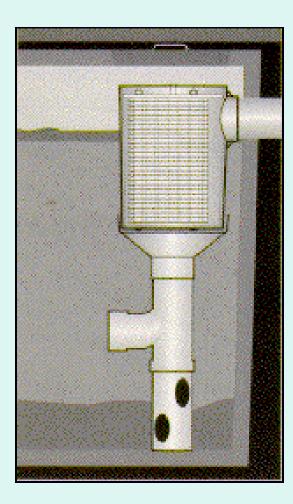
How a Septic System Works



Typical Septic Tank



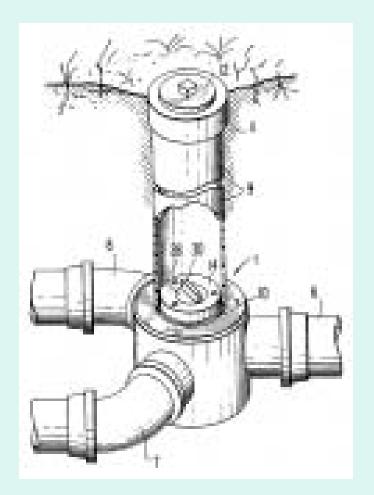
Types of Effluent Filters





Alternating Valves

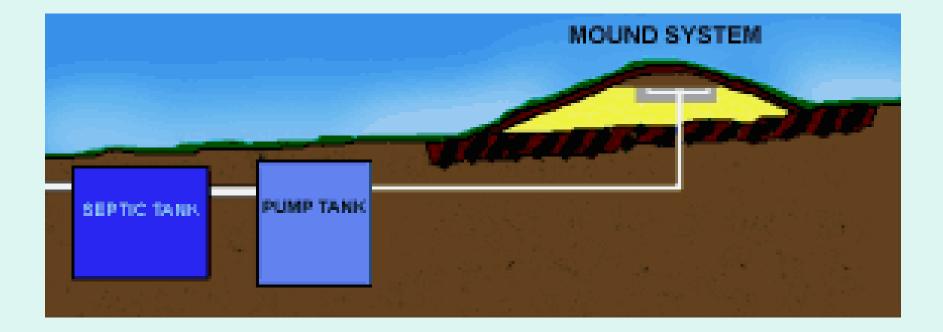




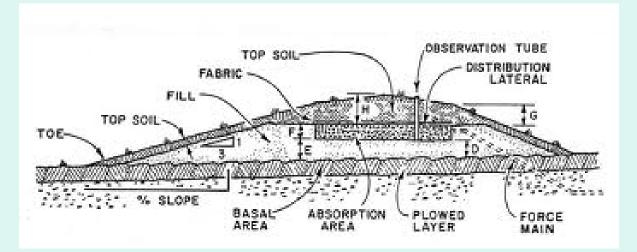
Drain Bed and Drain Field



Mound System



Mound System





Soil Profiles

O horizon (loose and partly decayed organic matter)

A horizon (mineral matter mixed with some humus)

E horizon (light colored zone of leaching)

B horizon (accumulation of clay from above)

C horizon (partially altered parent material)

unweathered parent material

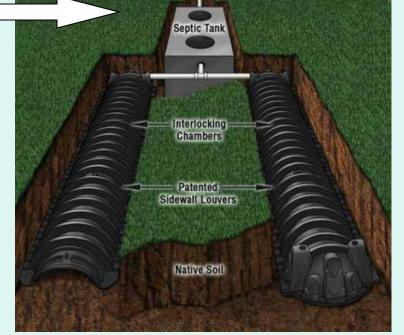




Isolation Distance



House to absorption system minimum 15 feet



Minimum 5 feet

Note: 50 feet isolation distance to wells and open water

Subdivisions and Site Condominiums



Alternative Systems: Aerobic Treatment



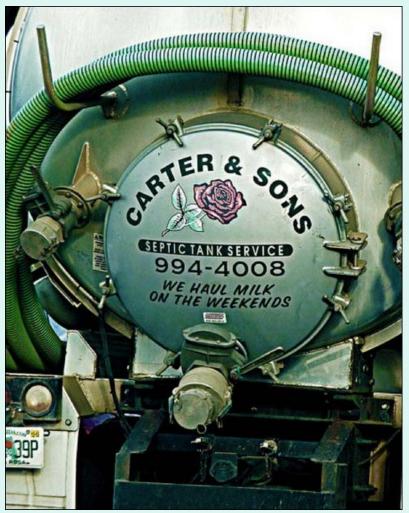
Nitrogen Reduction System

Maintenance: Pumping



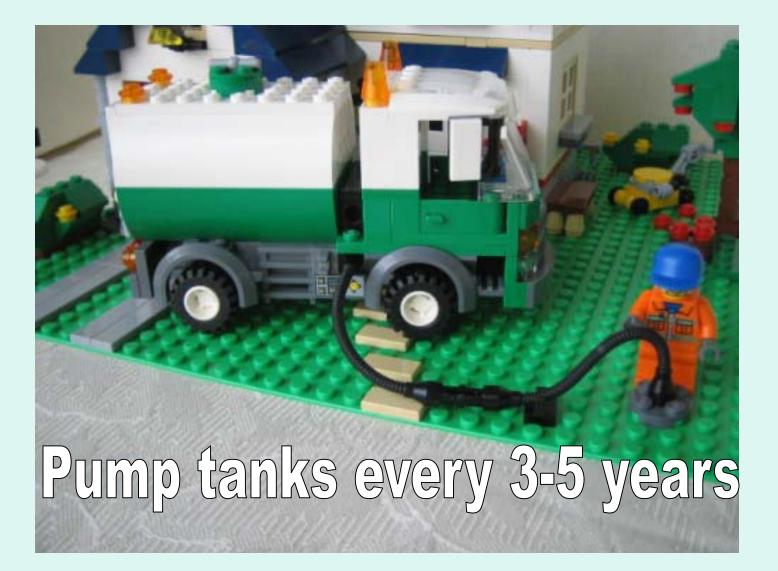


Maintenance: Pumping





Maintenance



Clean filters





Additives







Call

(269) 927-5623

for questions



