



Septic systems in the Township of Muskoka Lakes

Presented by:

*Sandy Bos Building Inspector (Sewage Systems), By-law Enforcement
Officer*







Let's start in the kitchen!

- How often do you throw a dirty pan in the dishwasher and not think about the baked on food?
- Do your drains get clogged and you use Drano to clear the clog?
- How about using the dishwasher cubes, do you use them?
- There are many mistakes made when cleaning the kitchen and disposing food left on pans.







**Egg
Shells**



**Produce
stickers**



Paint



Flour



**Cleaning
products**



Garburator



What about the bathroom?

- What do you flush down your toilets?
- Do you flush feminine products?
- What about dental floss?
- How about paper towel when you're cleaning your toilet?
- There are many mistakes made when you're in the bathroom!







Wipes



Diapers



Cigarette Butts



Paper Towel



Hair



Kitty Litter

Lets Take It Outside

Sandy is going to teach us about the different kinds of disposal methods





Get to know the flow of your system!

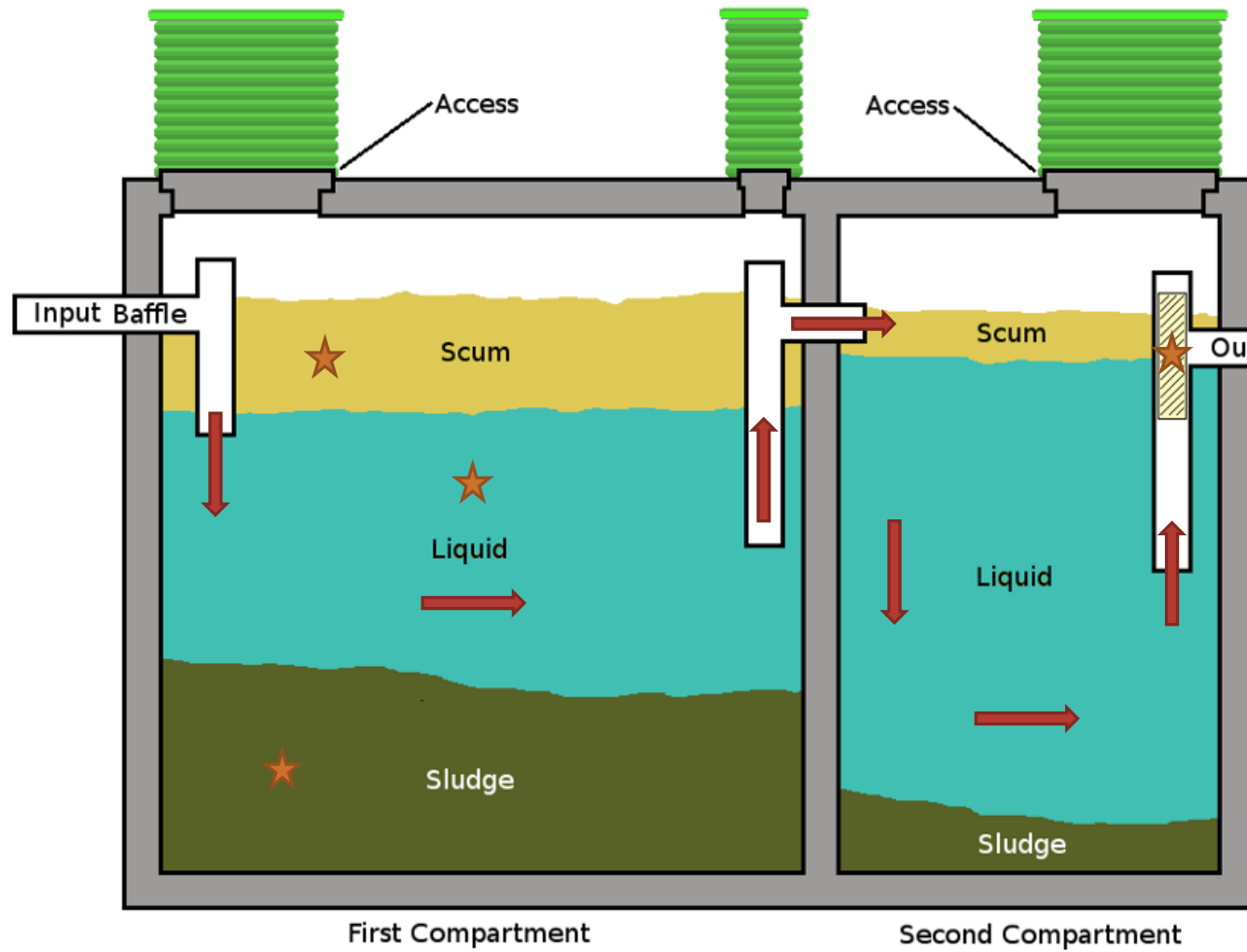
Every time you flush
your toilet or turn on
your tap all the water
going down the drain
will exit you house using
one main pipe.



Exits the dwelling by
gravity or by a raw
sewage pump



Raw Sewage
from the
dwelling



The treated
sewage, now
called effluent
will travel to the
filter bed.





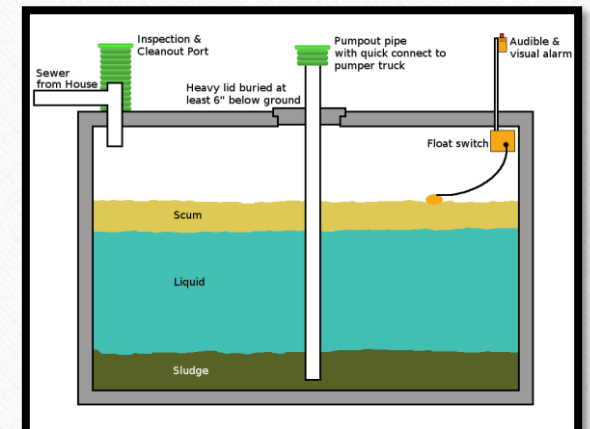
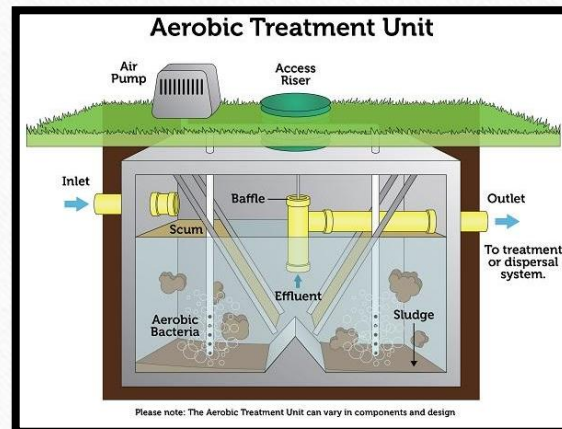
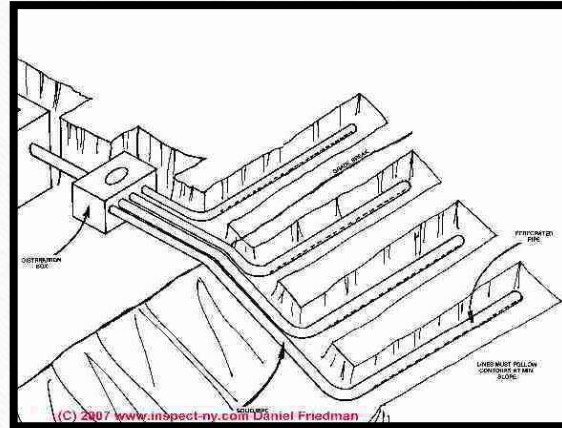
The effluent is then evenly distributed through the pipes and proceeds to trickle into the mantle

The effluent enters
the distribution
box



There are 4 possible systems found in within the township

1. Septic tank and filter bed
2. Septic tank and trench bed
3. Treatment unit
4. Holding tank



Septic tank and Filter bed system

- Most common type of system in the township
 - Smaller properties
- PVC pipes lay on top of the stone
 - Raised or in the ground
- Effluent filter in second chamber of tank



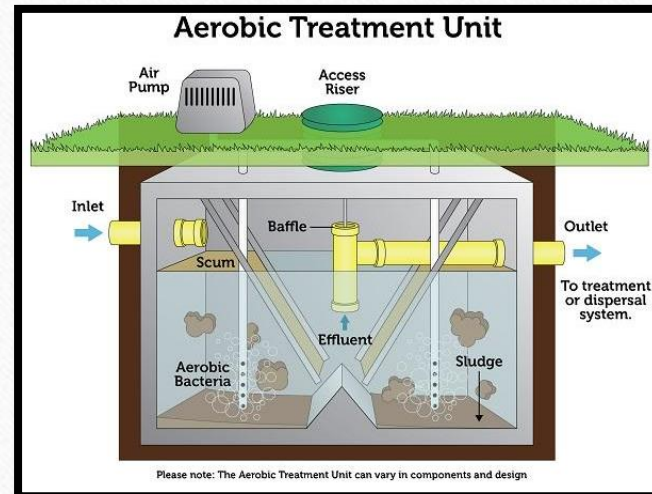
Septic tank and Trench bed system

- Older systems
- Bigger properties
- Each trench is filled with stone
 - Raised or in the ground



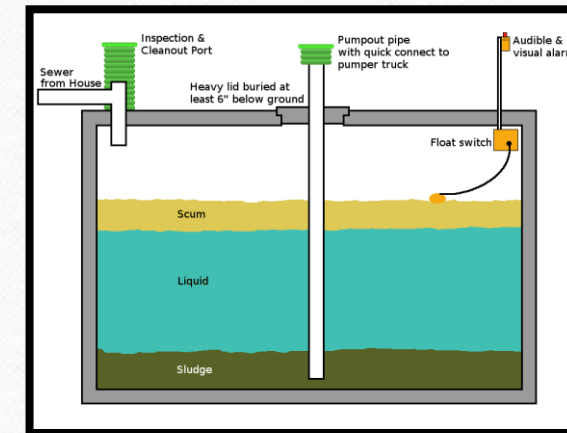
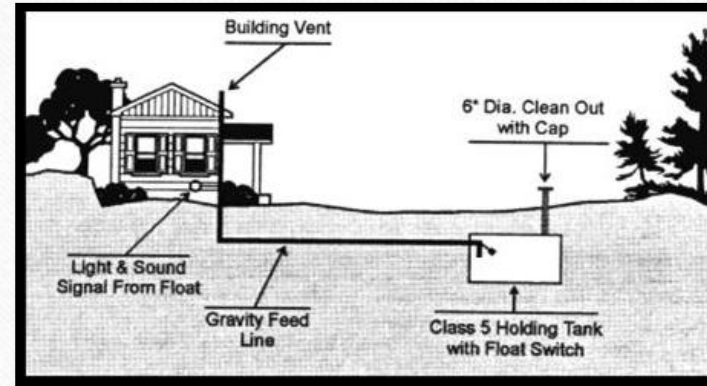
Treatment unit

- Similar to a municipal sewage treatment plant
- Smaller properties, depending on the type of treatment unit
- Inject oxygen to increase the natural bacteria in the system
- Could have other components to help treat

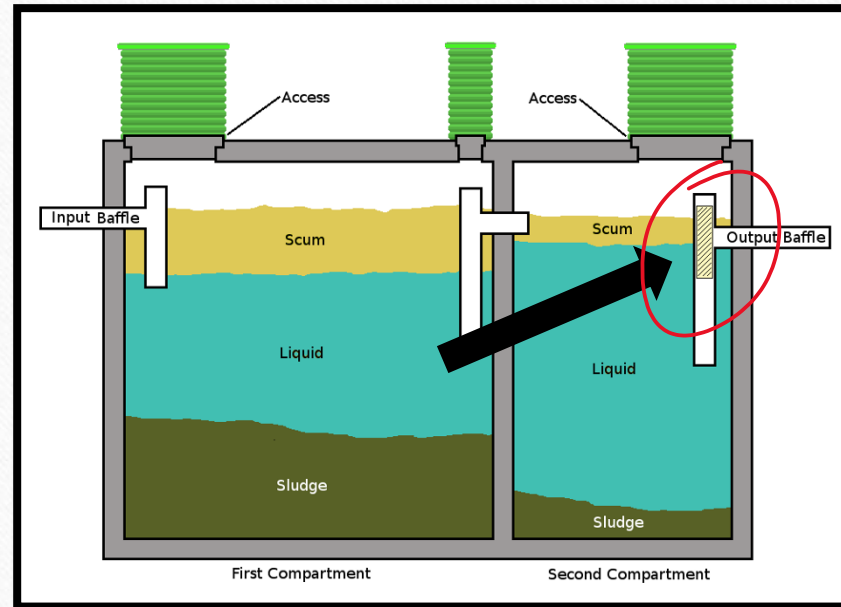


Holding tank

- They hold all the sewage from the dwelling
 - Have to get it pumped
- Used on smaller properties or island properties
- Doesn't have the two compartments like a septic tank



Now Sandy is
going to explain
how to clean your
effluent filter





Different classes of Sewage System

1. Outhouse, composting toilets
2. Greywater
3. Cesspool
4. Leaching bed
5. Holding tank



Maintain your Leaching bed

- Learn the location of septic system.
- Keep your septic tank cover accessible for inspections and pumping. Install risers if necessary.
- Make sure there is a effluent filter installed in your septic tank
- Septic tank should be pumped out approximately every three to five years, or as often as appropriate for your system
- Do keep a detailed record of repairs, pumping, inspections, permits issued, and other maintenance activities
- Call a professional whenever there is a problem with your system, or if there are any signs of system failure.



Common Signs of System Failures



Bad Odour





Mushy/Patchy and Luscious Grass



Erosion and Animal Burrows



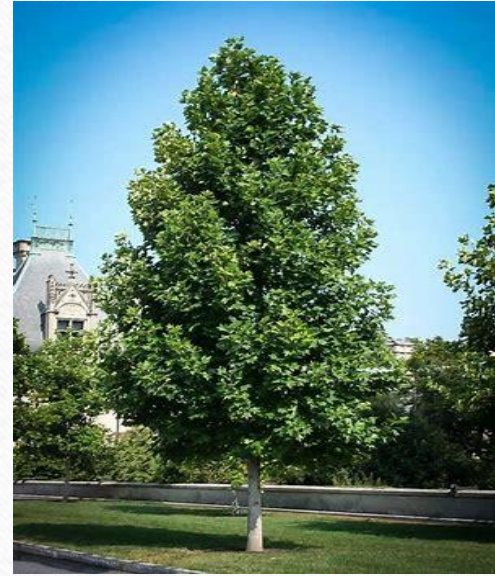


Possible Signs of System Failures In future

Raspberry Bushes



Trees



Heavy Objects





Vegetation that is

allowed near or on
system

Native Short Rooted Plants in Ontario





The End

**THANKS
FOR
WATCHING**

