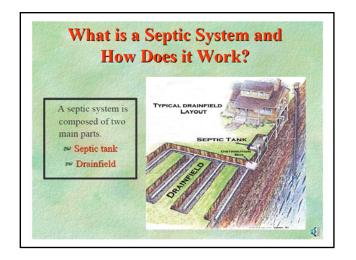
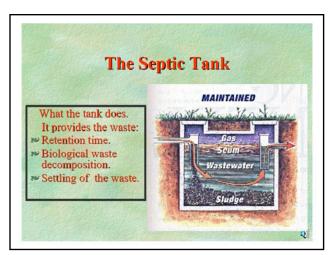
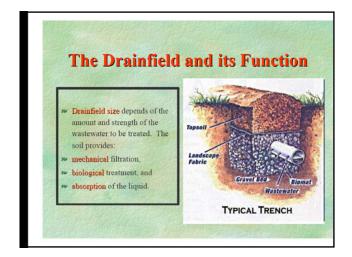


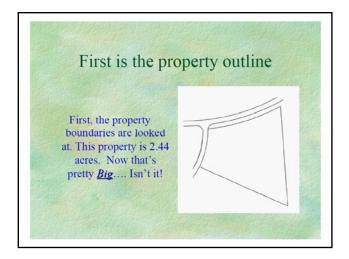
Septology 101 Brief Overview of Septic Systems Site Evaluation Regulatory Approval Types of Septic Systems Maintenance of Existing Systems

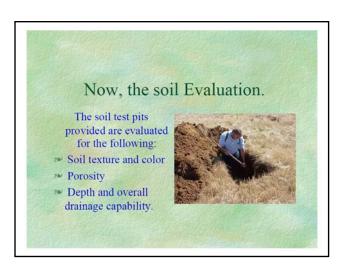


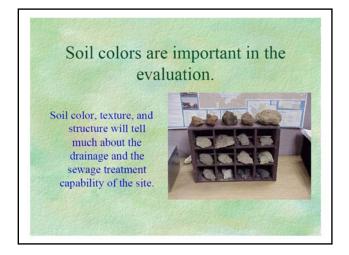










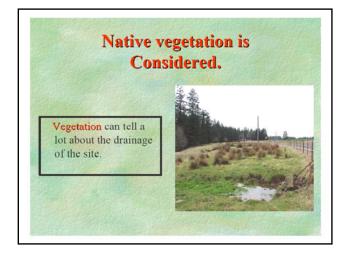




Close up of the soil shows the soil e structure and pore development.

Look at the soil up close. The better drained soils have a well developed system of pores which allow water to pass thru.



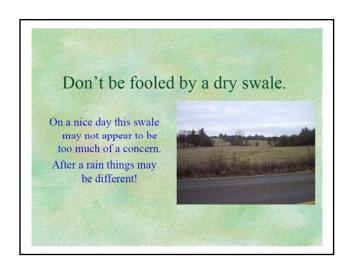


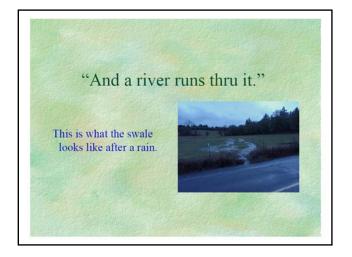


Avoid swales water moves from the higher areas to lower ground.

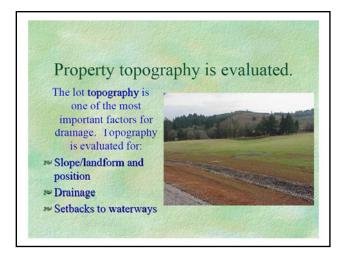
This worked up field demonstrates water saturating a swale.
This may not be noticeable if tall grass covers this area.

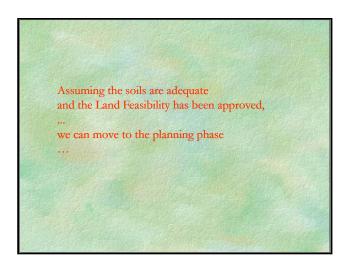
Avoid!









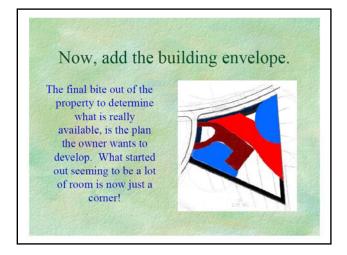




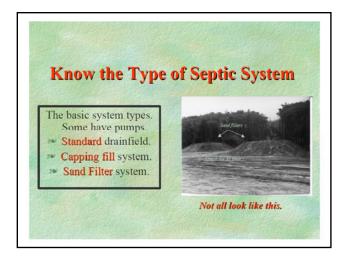


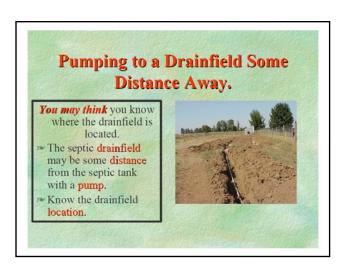




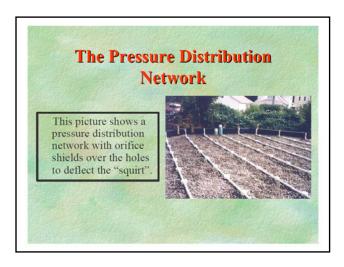






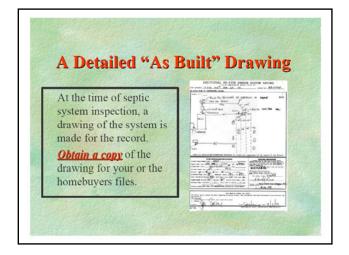


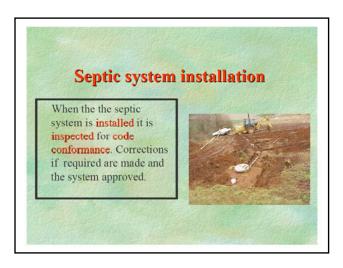




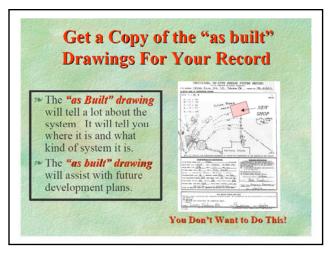


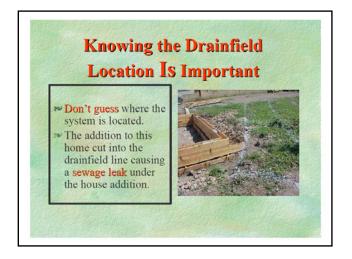




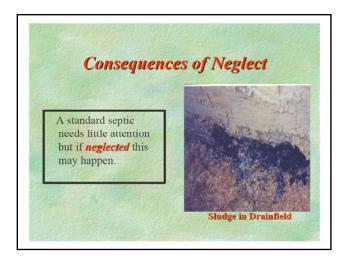




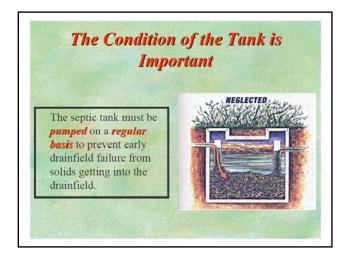


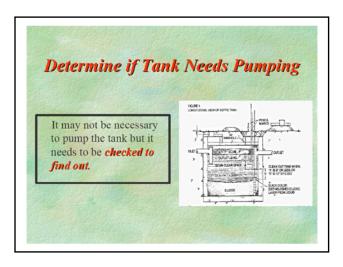
















For More Information

Erin Mick
 Senior Soils Inspector
 (503) 823-5471

Maintaining your septic system

Alex Mauck, Goodman Sanitation

Maintaining your septic system

- PUMP YOUR TANK!
- Keep your bacteria healthy and happy



Suggested pumping interval (years)

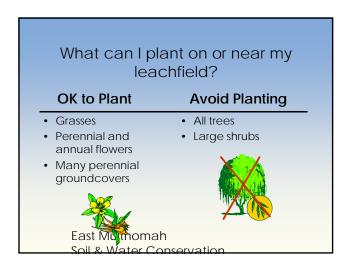
Tank Size	_1	2	3	4	5	6
	Number of people in your household					
(gallons)						
1000	12	6	4	3	2	2
1250	16	8	5	3	3	2
		_	_	_	_	-
1500	19	9	6	4	3	3

To pump... or not to pump

- Pumping costs about \$350 for the average 1000-gallon tank, every three years
- A new leachfield costs from \$5,000 to as much as \$20,000 for an engineered field

Which would you choose?

East Multnomah
Soil & Water Conservation



Other causes of septic failure

- Overloading.
 Use water sparingly.
 Do full loads of wash at
 off-peak times, and limit the
 number of loads daily.

- Water leaks
- · Placement in poor drainage area
- Failure to install according to septic codes

Other causes of septic failure

- Pouring kitchen grease into drains
- Extensive use of garbage disposals
- Flushing cigarette butts, sanitary napkins or other inorganic materials down the toilet



Other causes of septic failure

- Use of salts and chemicals from water softeners and washing machines
- · Driving over the drainfield
- Livestock



What about additives?

- Enough bacteria are present in the tank from normal bodily wastes
- Additives cost \$\$\$ and may actually increase the solid material in the tank by producing inert ingredients
- There is no substitute for pumping!

Tips to keep your septic system working well

- · Don't water the leachfield
- Don't flood the system with excessive water use
- Keep excess solids out of the system and avoid flushing toxins down the drain

Tips to keep your septic system working well

- Avoid using your garbage disposal to process large quantities of wastes
- Regularly pump out the septic tank and inspect the physical components of the system
- Don't park or drive over the leachfield

Avoid products with the following warnings on the labels:

- "Harmful if swallowed"
- "Avoid contact with the skin"
- "Do not get in open cuts or sores"
- "If product comes in contact with eyes, call a physician immediately"

Always read the product label!



Upcoming Workshops

Got Mud?

Thursday, March 6, 2008

Controlling Weeds on Small Acreages Thursday, April 10, 2008 • 7:00 - 9:00pm

Healthy Horses and Pastures Workshop and Tour May, 2008

Improving Streamside Areas July, 2008

Pasture Management September, 2008

Check our website for details!



East Multnomah
Soil & Watte Cornservent District

