



Introduction

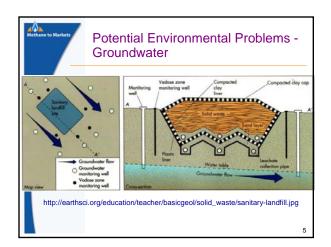
MSW generation rate ~ 1 ton/yr/capita in the USA

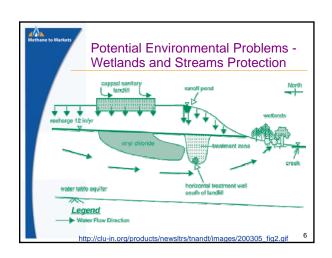
Since 1989, the number of municipal solid waste landfills in the United States has declined from 7,379 to 2,216 in 1999.

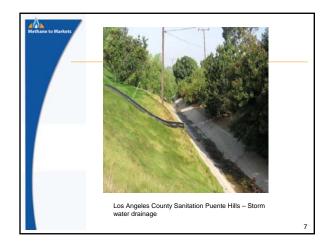
The average amount of waste received by a landfill has increased from 92 tons per day to 300 tons per day.

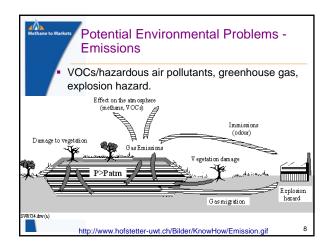
It will typically operate between 10 and 20 years.



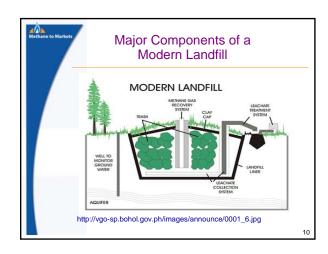


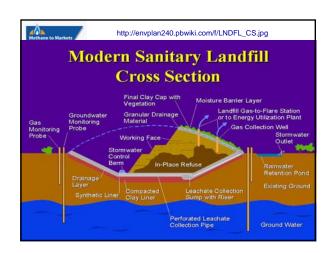


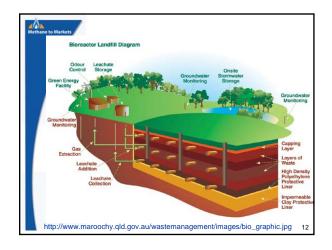






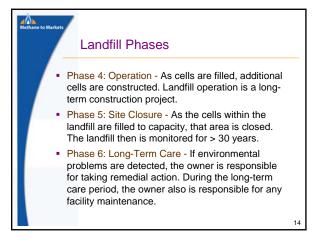






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Overview of Design Criteria

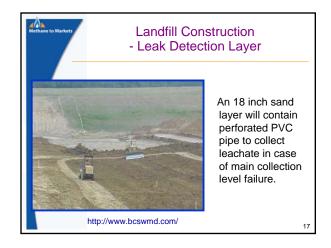
Performance-based
Contaminant level shall not be exceeded in the uppermost aquifer at the relevant point of compliance, which shall not be more than 150 m from the unit boundary and still on the property

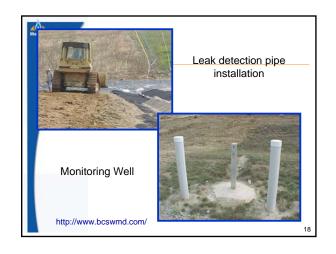
Technology-based

a composite liner: top FML >30 mil (60 mil for HDPE) and lower compacted soil (K < 1E-7 cm/s) with a leachate collection system.

or approved alternative design.





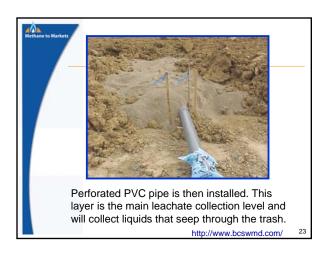








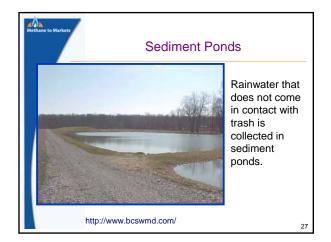










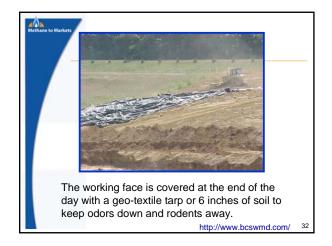








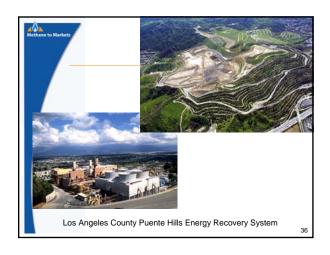












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