



OVIVO
Bringing water to life

Operating Membranes in Solids Handling Applications (the don'ts and the do's)

HWEA Presentation

3/8/2011

How Membranes Work

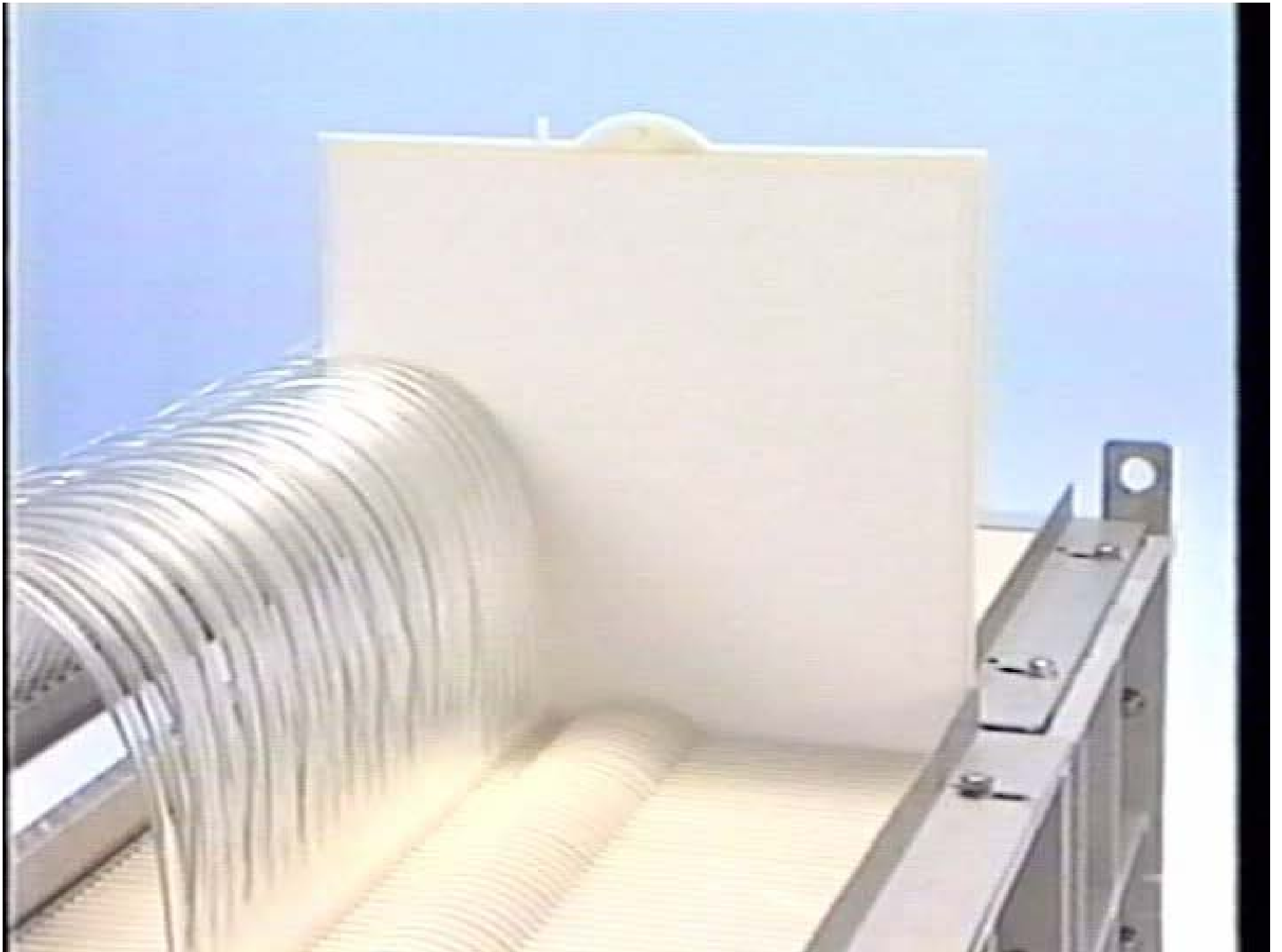
How we can use them

What don't you do?

What do you do?

How Membranes Work

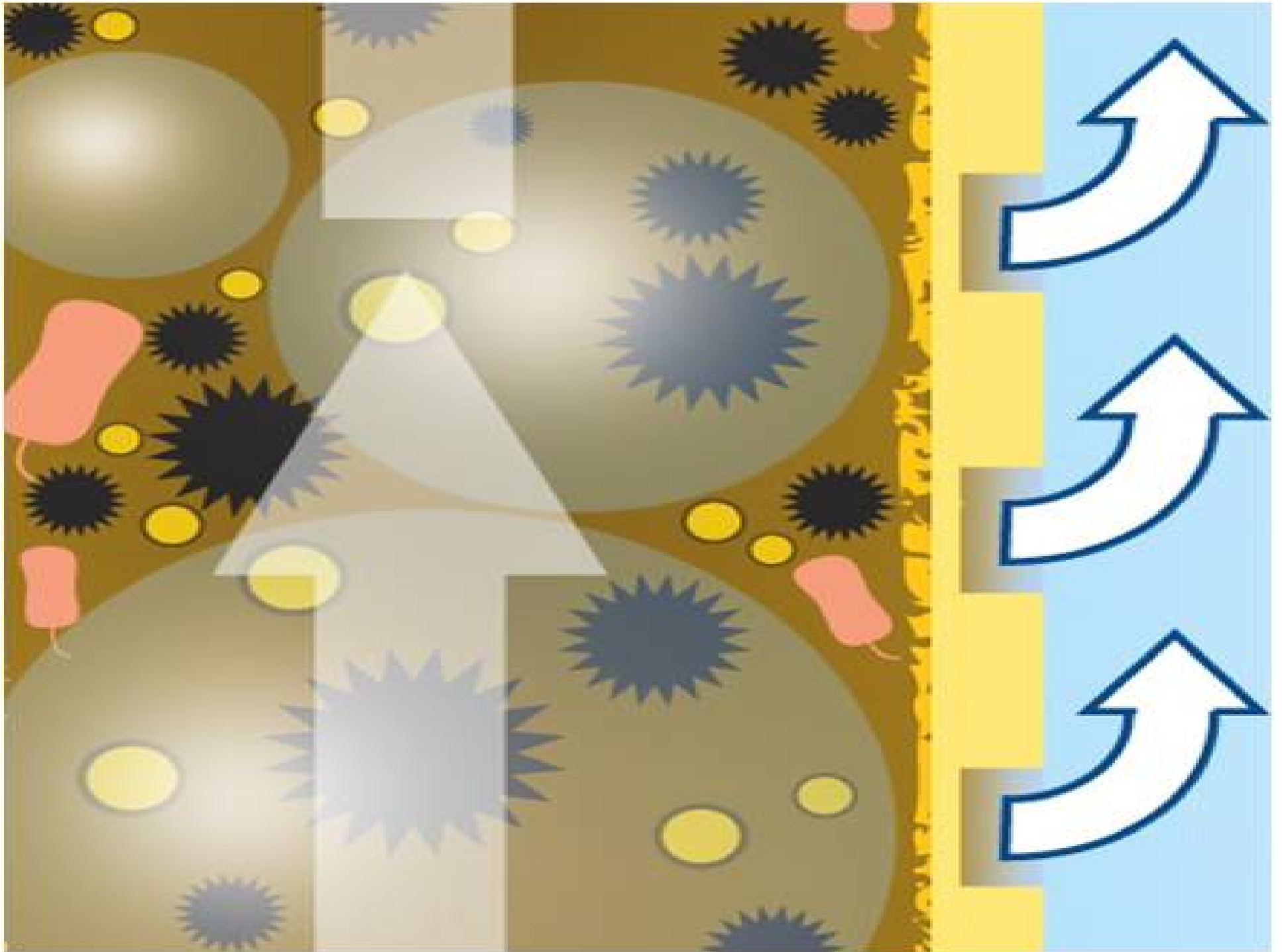


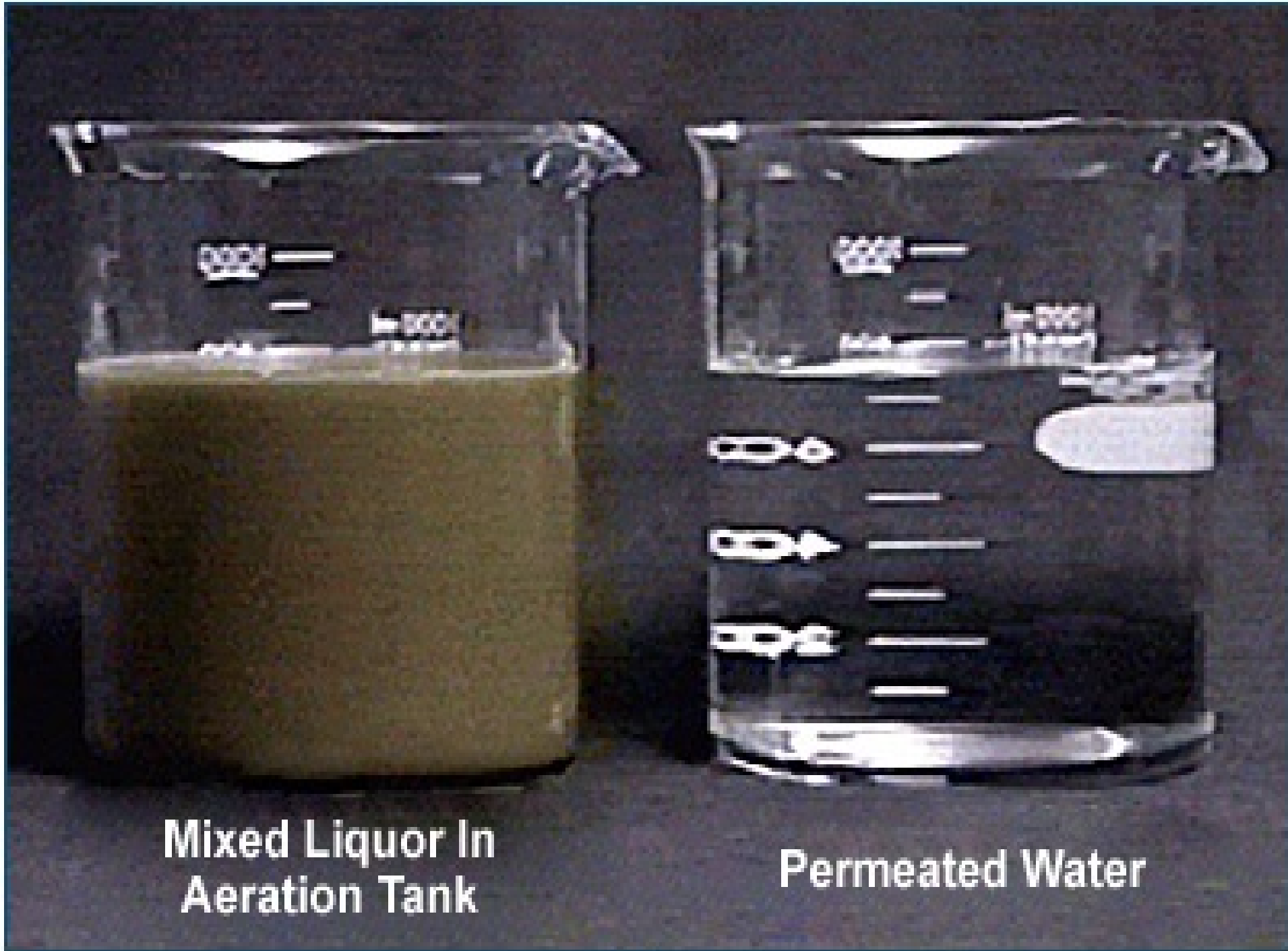










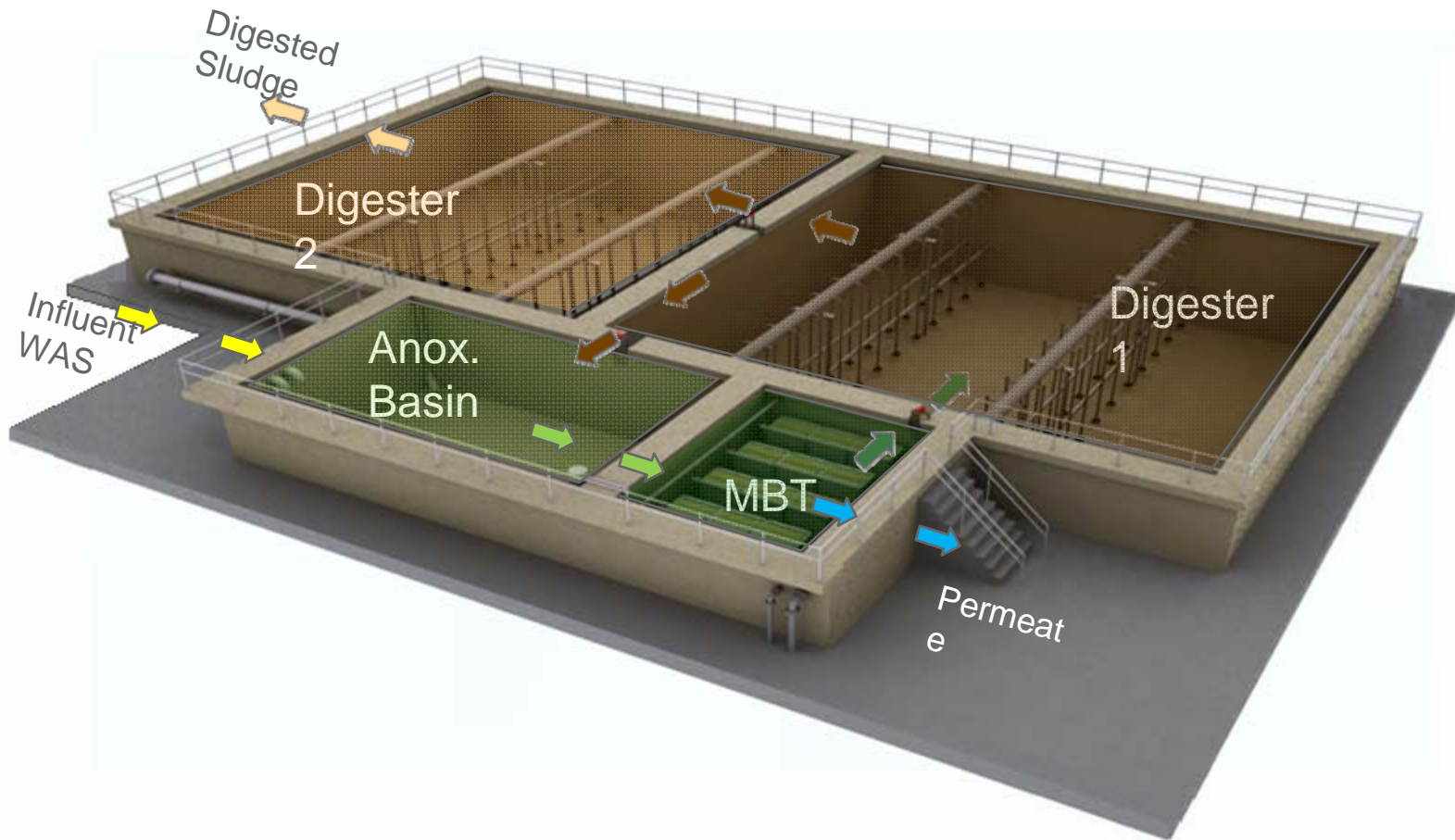


Mixed Liquor In
Aeration Tank

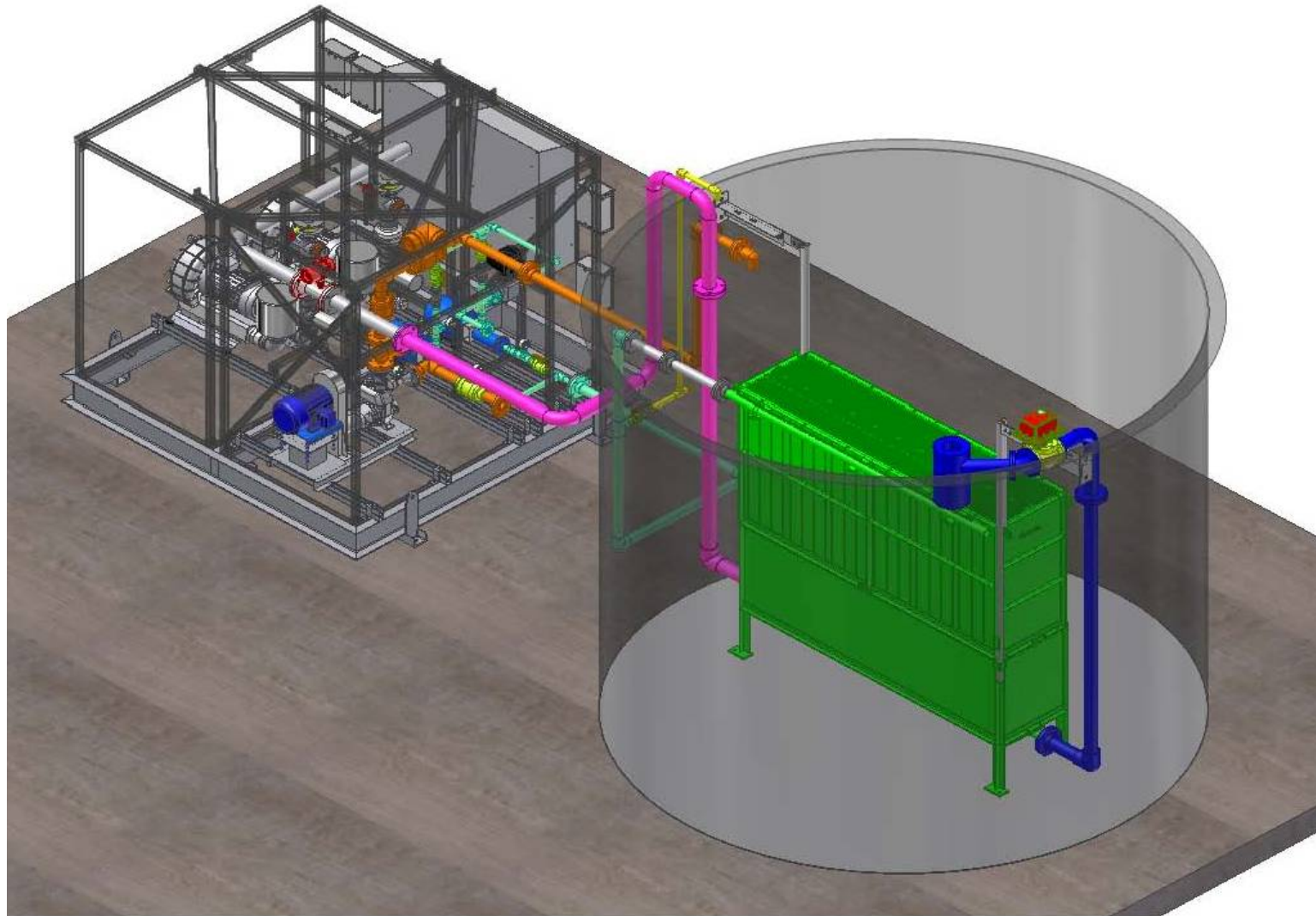
Permeated Water

How we can use them

Aerobic Digestion



Membrane Thickening



What Don't You Do?

Start the unit up each day

Shut the unit down each day

Check the polymer system

Check the unit repeatedly throughout the
day

Check the polymer system

What Do You Do?

Collect Daily Process Data

Perform a Visual Inspection of the System

Chemical Clean the Membranes 3-4
Times/Year

Perform Regularly Scheduled Maintenance

Thank you for your
time!