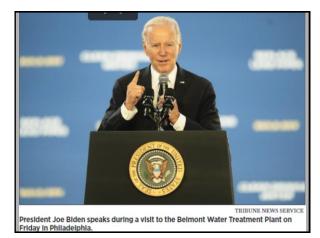
Black Water/Gray Water

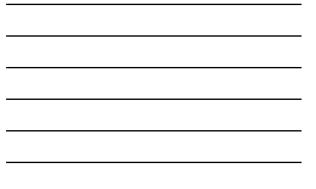


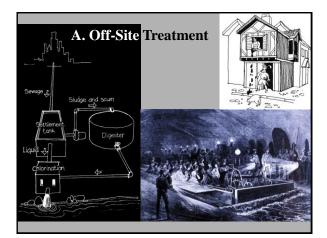


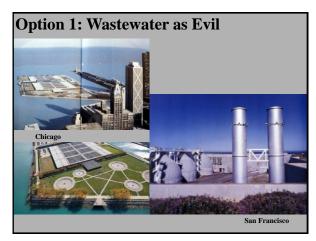




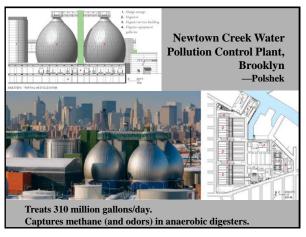
Wastewater Treatment Options				
	А		All off-site	
	В		Storm water on-site	
			Black + Gray off-site	
	C		Storm + Gray on-site	
			Black off-site	
	D		All on-site	



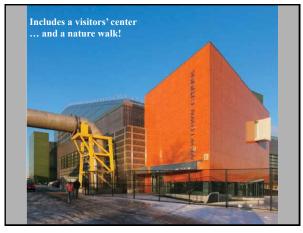




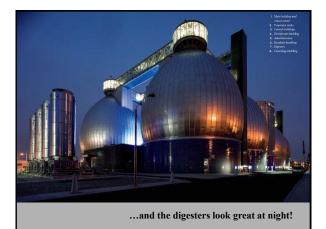


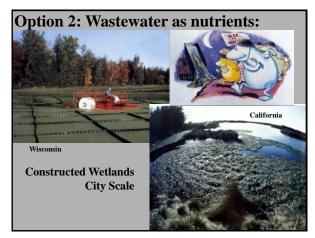




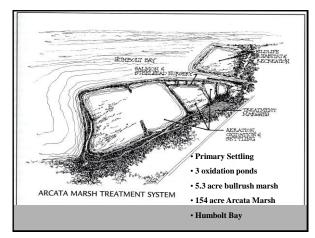




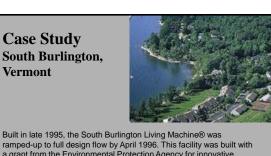








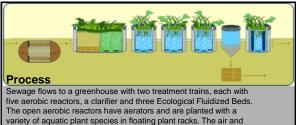




ramped-up to full design flow by April 1996. This facility was built with a grant from the Environmental Protection Agency for innovative technology. This Living Machine® has demonstrated excellent treatment performance, even at very cold temperatures.

It treats 80,000 gallons per day of municipal sewage, generated by approximately 1,600 residential users. The waste stream is diverted from the City's conventional treatment plant.

<http://www.livingtechnologies.com/>



five aerobic reactors, a clarifier and three Ecological Fluidized Beds. The open aerobic reactors have aerators and are planted with a variety of aquatic plant species in floating plant racks. The air and plants provide an environment that hosts a variety of organisms that eat the waste in the wastewater. Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) are reduced and ammonia nitrified in this stage of treatment. A clarifier follows the open aerobic reactors to settle out the solids.

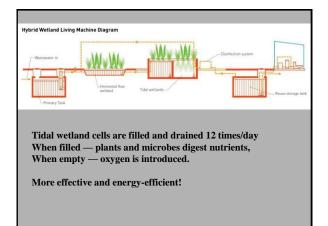
Ecological Fluidized Beds (EFBs) in each train follow the clarifier for final 'polishing'. These beds operate aerobically and provide final polishing, nitrification, and suspended solids digestion.

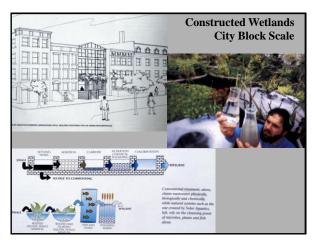
13

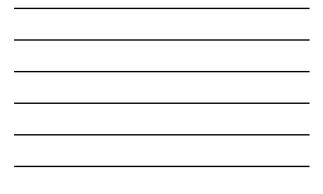
Performance Summary South Burlington, VT Living Machine Water Characteristics Chemical Oxygen Demand
 Influent
 Target

 454.0
 <50</td>
Units Effluent mg/L 31.0 219.0 <10 Biochemical Oxygen Demand mg/L 5.9 Total Suspended Solids 174.0 <10 4.8 mg/L Total Nitrogen Total Kjeldahl Nitrogen 23.0 <10 2.2 mg/L 23.0 5 1.3 mg/L 14.0 0.25 Ammonia mg/L 1 Total Phosphorous 4.8 2.2 mg/L 3 Fecal Colliform col/100ml ~9million <2000 1177.0

14





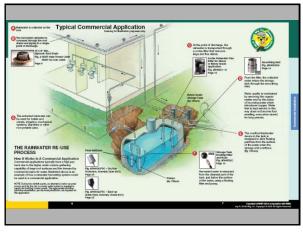




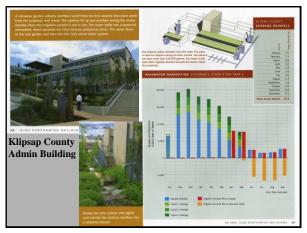




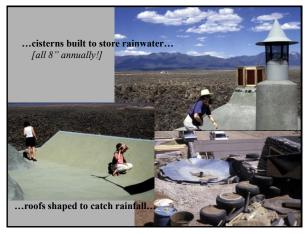




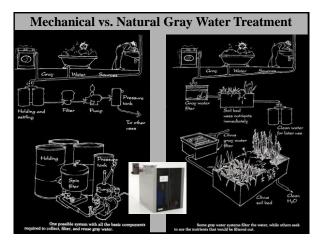


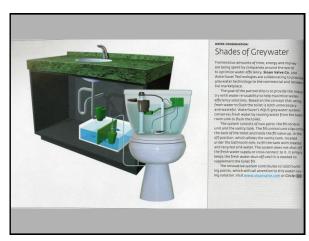




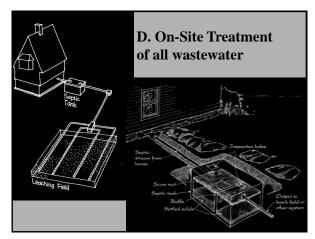


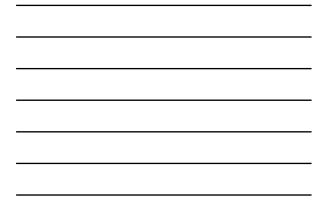


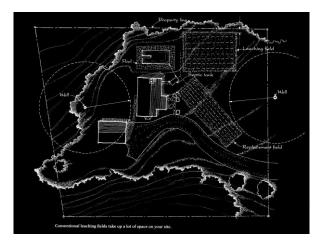


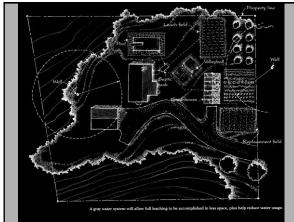


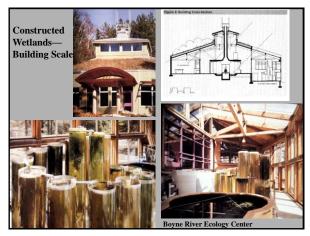






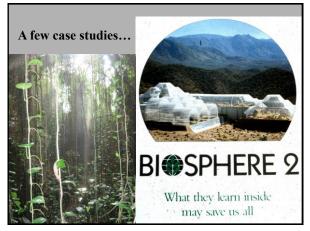








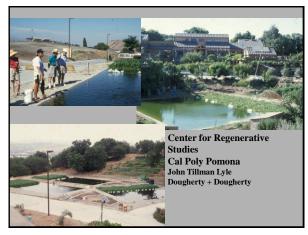


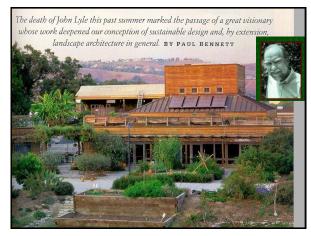


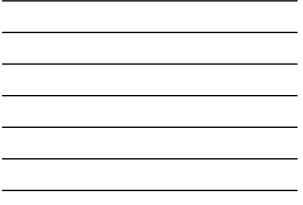


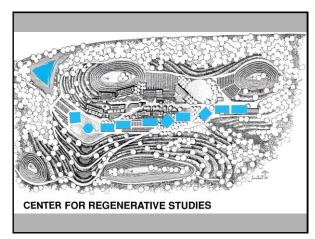




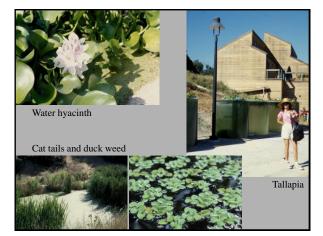


















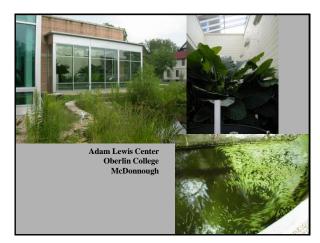
















Paws Inc.

Solar Aquatic System Paws operates its own solar aquatic system water treatment plant. A prime example of Jim Davis' commitment to the environment, the S.A.S. plant treats Paws' waste water in a chemical-free manner, using natural purifies such as algae, snails, burushes and minows. As a result, the water is returned to the ground 95 percent free of impurities.

The Paws S.A.S. plant is the first permanent, licensed water treatment plant of its kind in the world, opened in September 1990, to support the new 36,000 square foot studio.

<http://www.garfield.com/news/paws/paws.html>















"Over 350 plant species have been tested at the South Burlington Living Machine®."





















