

Public Facility

Gillette Castle State Park
East Haddam, CT

Profile

- 4,985 sq. ft. new visitors center and concession building
- 40-seat restaurant
66-seat outdoor picnic tables
- 4000-gallon-per-day septic system or 460-gallon-per-day greywater system needed
- Environmentally sensitive hilltop area adjacent to Connecticut River
- Continuous traffic in and out with tours through the Gillette Castle
- 11 toilet and 4 urinal fixtures

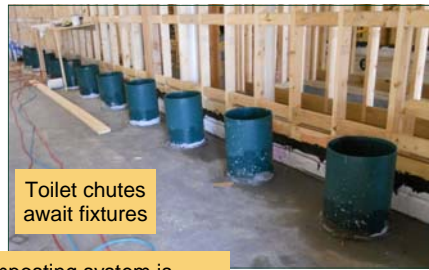
Challenge

- Seek alternatives to a \$950,000 package treatment plant that would require extensive blasting, fill, site destruction, tree removal, and high operating expenses.

Solution

- Eliminated sewage altogether
- Discharged greywater-only
- Dramatically reduced wastewater flows
- Used small, existing cleared area for soil absorption system





Toilet chutes await fixtures

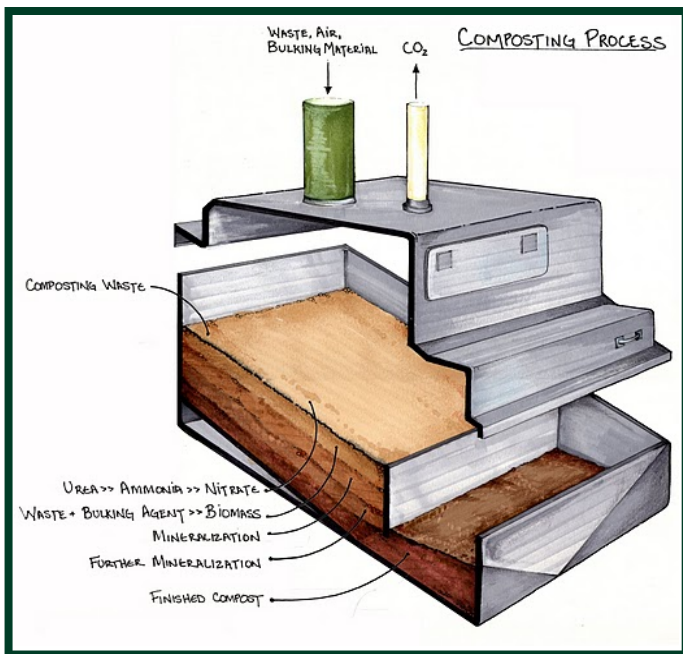
Composting system is integrated into building design



Restrooms are odor-free and have a conventional look and feel

Clivus New England is involved in its projects from pre-conception through the design and installation processes to ensure 100% feasibility. Usage data from the owner is collected for proper system sizing and architectural plans are analyzed to insure that structures can incorporate the Clivus equipment without undermining building or system designs. Clivus technicians work with contractors and plumbers to guarantee and certify that installations meet the manufacturer's requirements.

All Clivus systems are NSF Standard 41 Tested and Certified



Composting takes place in all soils which support plant and animal life. The Clivus systems employ the same process in the controlled environment of the composting chamber. As waste breaks down in the composter a less chemically complex, more chemically stable substance rich in organic matter and very similar to soil is produced. Human waste consisting mostly of water is reduced by over 90%. By-products of the composting process are water vapor and CO₂ and are released harmlessly into the atmosphere through the ventilation system.

