

Educational

**Williams College
Kellogg House**
Williamstown, MA



Profile

- Private liberal arts college founded in 1793
- Approximately 2000+ students
- 3000 sq. ft. foot addition to traditional colonial structure
- Home of the Center of Environmental Studies and Zilkha Center for Environmental Initiatives

Challenge

- Adhere to Living Building Challenge construction model to minimize impact on the environment
- Include sustainable waste treatment in the green building design to complement other green technologies
- Use newly redesigned building as an educational tool for conservation

Solution

- Nepon 3-ounce foam-flush toilets
- Clivus composting waste treatment system designed to save over 46,000 gallons annually
- Toilet water consumption for the Kellogg House was reduced by up to 97%
- Composter retains, treats, and reduces solid waste from the dorm by 95%
- Eliminated solid waste and drastically reduced wastewater that would otherwise be sent to a high energy-consuming waste treatment facility



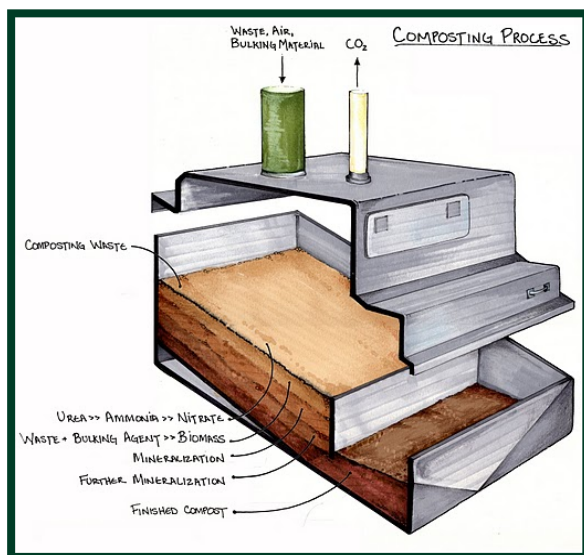


Clivus restrooms have a conventional look and feel, are clean, odor-free, and easy to maintain.



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 ensure that structures can incorporate the Clivus equipment without undermining building or system designs. Whether it's one composter and one toilet, or several composters and many toilets, 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.

