clivus new england incorporated

Educational

Brooks School
North Andover, MA

VICTURI TE SALUTAMUS



Profile

- Private school incorporated in 1927
- Approximately 255 boarding students
- No residence expansion on campus since 1984
- New 22-bed dormitory; no increase in student population
- Newly adopted sustainable campus model
- Campus on municipal sewer system



Challenge

- Adhere to sustainable construction model to minimize and/or reduce impact on the environment
- Include sustainable waste treatment in the green building design to complement other green technologies
- Use new dormitory as an educational tool

Solution

- Clivus composting waste treatment system
- Nepon foam-flush toilets
- Water consumption was reduced by 30,000+ gallons annually by transferring usage to the new Clivus system (*this from a mere 8% of boarding students!*)
- Composter retains, treats, and reduces solid waste from the dorm by 95%
- Eliminated solid waste that would otherwise be sent to a high energy-consuming waste treatment facility



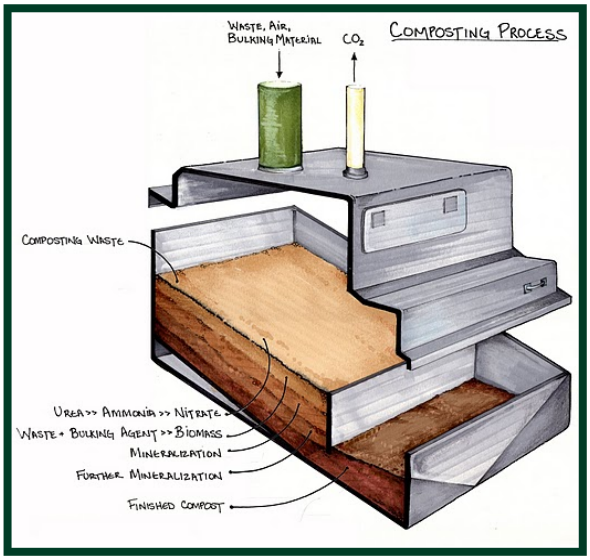


Clivus restrooms have a conventional look and feel, are clean, odor-free, and easy to maintain.



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 CO_2 and are released harmlessly into the atmosphere through the ventilation system.

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Clivus New England, Inc. • P.O. Box 127 • North Andover, MA 01845 • T: (978) 794-9400 • F: (978) 794-9444 • www.clivusne.com