

Residential Boys Camp

YMCA Camp Belnap

Mirror Lake, NH

Profile

- Camp founded in 1903
- Located on Lake Winnepesaukee
- Several multi-cabin divisions
- Campsite with 6 cabins and ~72 beds in need of a bathhouse

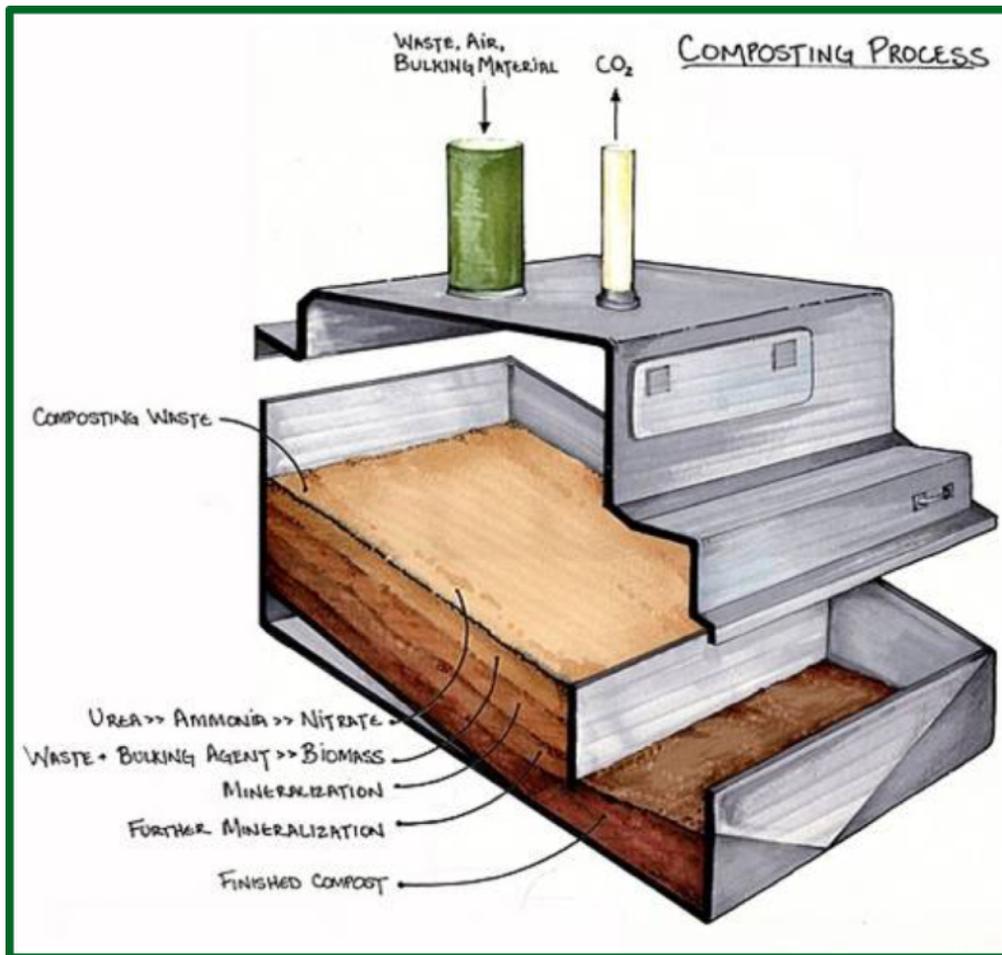
Challenge

- Provide sustainable restroom facilities
- Conserve water used for toilets
- Reduce waste water and solid waste generated in restrooms
- No septic or sewer at site
- Minimize site disturbance and size of soil absorption system

Solution

- Installed Clivus composting waste treatment system
- Discharge high quality, pre-treated effluent to reduced size soil absorption system
- Smaller septic system needed less land and minimized site disturbance
- Foam-flush toilets reduce toilet water usage by 97%
- Solid waste is reduced in composters by 95%
- Architecture by Dewing Schmid Kearns Architects + Planners (DSK), Concord, MA





All Clivus systems are NSF Standard 41 Tested

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.

Composting takes place in all soils that 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.

