

September 18, 2015

AASHE STARS
1536 Wyncoop St, Suite 100
Denver, CO 80202

Chatham's on-site sanitary system at Eden Hall is an innovative and sustainable approach to treating wastewater at the university scale, Chatham has taken an integrated approach to development on campus, including wastewater treatment. Our system is designed to treat the wastewater from Eden Hall, keeping it entirely out of the already-overburdened municipal sewer system in the township. The on-site sanitary system combines a variety of water management tools to best utilize wastewater, as well as capture and repurpose rain water. The sanitation system follows a six-step process to treat wastewater, beginning with constructed wetlands placed strategically around the campus. The water then goes through a biological trickling filter and is finally treated by a UV filter for a graywater system, used for toilet flushing or irrigation drip fields to the Chatham forest. The system can treat up to 6,000 gallons of wastewater per day, and produces water that meets direct discharge quality standards.

We also use the system to educate students from the Falk School of Sustainability and members of the local community, especially students from regional K-12 schools who participate in our outreach programs. Integrating this technology into the learning environment will help spread understanding of this technology to Richland Township and beyond.

As one of only a handful of institutions in our state with such systems, and only a few more across the entire country, we believe that a natural treatment system of this scale and quality is very innovative, yet we hope is that someday this type of system is standard practice everywhere.

Sincerely



Walter Fowler

Vice President, Finance & Administration