

Boston-based Practical Applications, Inc. Designs and Builds Storm Water Recycling System for Local University

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BOSTON, MA July 29, 2011—Practical Applications, Inc. (PAI), a leading environmental engineering company, announces delivery of a water reclamation system to be installed at the future Sports and Recreation Center at Worcester Polytechnic Institute (WPI) in Worcester, MA. The system's innovative design to reuse rainwater from the roof of the new LEED-certified center supports "WPI's commitment to environmental sustainability."

The PAI Model 1860 Greywater System operates either manually or automatically from a straightforward main control panel with up-to-date system information and current alarm status. Rainwater is collected in a main reservoir and then pumped via one of two feed pumps through a Spears inlet suction strainer to remove large particulate matter such as roofing material and leaves. The strained water is then pumped through the Micro-Z inline multimedia filter which removes most of the suspended solids. The filtered greywater will be used in WPI's cooling towers.

Space for new construction is often a premium and successful greywater projects such as this one will include appropriately-sized tanks to recover the maximum water amount yet minimize the tank's footprint. The tanks for PAI's greywater system "will collect 50,000 gallons of rainwater from the roof for the cooling system, reducing the building's water consumption by more than 800,000 gallons per year." WPI will be getting a system that fits their space as well as their budget.



Keeping costs low by choosing the right greywater system is also a concern for businesses. The Model 1860 Greywater System has a return on investment that has a payback of less than two years. For organizations like WPI who need to keep costs low that means they can be economically as well as environmentally smart. Janice Markey, executive vice-president of PAI explains, "The cost of water has gotten to the point where it makes sense to build these things now. Fifteen years ago it didn't, but the cost is catching up to the environmental needs. It's great because now businesses like WPI can be environmentally sensible and save their companies money."

Practical Applications, Inc. has been designing, building, and operating wastewater treatment systems since 1994. Operating engineers and technicians design and build effective systems that provide optimal performance while remaining economical and competitive.

Press Contact:
Wiwa Deepreecha
Practical Applications, Inc.
Boston, MA 617-423-5639
wiwa@pai-online.com