

## Eco-Friendly Onsite Wastewater System

Designed for decentralized and onsite wastewater treatment systems, the Oldcastle Precast Onsite Wastewater System with patented Algaewheel® technology performs pretreatment or secondary wastewater treatment for systems up to 25,000 gallons per day, and can be used for high-strength waste applications.

"It's a simple and dependable single-pass flow-through system designed to protect a drainage field from the most common reasons for failure: hydraulic and/or organic overloading," explains Steve Kingsland, national product manager for Oldcastle Precast Inc. "The system is virtually maintenance free as it uses energy from the sun and carbon dioxide from the air to grow algae and digest nutrients in the wastewater. In addition, algal growth through photosynthesis produces oxygen and reduces greenhouse gases."

The system incorporates a basic modular design made of off-the-shelf components for ease of expansion and recycled materials. It includes the complete onsite system design, primary and secondary tanks sized to meet specific project requirements, a patented Algaewheel® bacpac® system, construction oversight or turnkey installation and operation and maintenance.

Kingsland adds, "The system can provide treatment to any targeted effluent limits while using significantly less energy than other advanced treatment systems. Due to its "green" nature, it has been used to gain LEED points."

This Oldcastle Precast Onsite Wastewater System is ideal for commercial, industrial and cluster-housing applications and is currently available in Indiana, Ohio, Kentucky, Illinois and Michigan. ■

