



energy economy environment

BARBERTON, OHIO

Lime Lake 6 in Barberton, Ohio



quasar energy group, llc (quasar) is a Cleveland, Ohio based waste to energy company. The company's anaerobic digestion systems can process a wide range of organic waste products to create clean renewable energy and valuable byproducts.

In 2008, **quasar** moved its state of the art laboratory and engineering offices to The Ohio State University's Ohio Agricultural Research and Development Center campus in Wooster, Ohio. In 2009, **quasar** partnered with the university to build its flagship **ecoFARMsystem 550** on the Wooster campus in the BioHio Research Park.

PPG Industries

Pittsburgh-based PPG is a global supplier of paints, coatings, optical products, speciality materials, chemicals, glass and fiber glass. The company has more than 140 manufacturing facilities and equity affiliates and operates in more than 60 countries. Sales in 2008 were \$12.2 billion. PPG shares are traded on the New York Stock Exchange (symbol: PPG).

Lime Lake 6

quasar has entered into a multi-year agreement to manage the Lime Lakes Reclamation project at PPG Industries' Barberton, Ohio, plant. **quasar** and PPG have partnered together with the

goal of accelerating the reclamation project while maintaining PPG's commitment to environmental compliance and community relations. It is anticipated that the relationship will allow the lime lakes reclamation activities to be completed in half of the original schedule, by the end of 2016.

Preserving Our Environment

For more than 70 years, PPG produced soda ash to make plate glass at the

Barberton plant. The liquid and solid wastes were pumped from the soda ash operation into six ponds covering more than 600 acres. The result of the historically accepted practice created "lime lakes," where the fine-grained spoil is too alkaline and lacks nutrients to support vegetation.

Since 1985, OEPA approved biosolids have been mixed on site with the lime spoil to create a stable soil matrix that supports long-term vegetation growth and wildlife habitat. PPG has won numerous awards for its reclamation efforts, including national certification from the Wildlife Habitat Council.

Renewable Energy **ECO FARM SYSTEM 550**

This year, **quasar** is evaluating the possibility of building a **F550** anaerobic digestion renewable energy plant in Barberton. The **F550** will be able to accept organic waste from waste water treatment facilities, food processors, and agricultural producers while providing clean, renewable energy that can be sold regionally. This renewable energy initiative will invest in Ohio's economy while creating a cleaner environment.

quasar is accepting inquiries from biomass generators at (216) 986-9999 x 112



renewable
ENERGY



for Ohio's
ECONOMY



and a cleaner
ENVIRONMENT
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