

Surface Aeration of Anaerobic Lagoons for Odor Control

The University of Minnesota Southern Research and Outreach Center and Extension will host a one-day workshop on an applicable surface aeration system to control manure odors emanating from open storage facilities. The goal of the workshop is to provide educational information based on the results from an integrated project funded by the USDA/CSREES/NRI Air Quality Program in the subject area.

Objectives: This one-day workshop is designed to present research-based information on a newly developed surface aeration unit featuring venturi air injectors to control odor emission from animal manure lagoons. The workshop participants will learn detailed information and up-to-date knowledge, from both the basic and applied aspects, on the aeration system that has undergone extensive field experiments. At the end of workshop, the attendees will have a clear grasp of the technology and its applicability, and limitations as well, for use on real lagoons.

What to expect: The attendees to this workshop will learn about:

- 1) the basics of aeration treatment of manure to control odor
- 2) the design of the venturi aerator modules

- 3) the lab experiments to optimize aeration efficiencies based on different modules
- 4) the field-scale evaluation of the surface aeration system in reducing odorous compounds in the treated liquid
- 5) the economics of the newly developed surface aeration system

Who should attend: Pork producers, agricultural waste management engineers, agricultural wastes consultants, state and local regulatory agencies, extension faculty and staff, animal scientists.

When: July 31, 2009

Where: UM Southern Research and Outreach Center, 35838 120th Street, Waseca, MN 56093

Fees: \$35 (covers all workshop materials, handouts, and lunch)

Lodging: Waseca Inn & Suites, 2201 N. State St., Waseca, MN. Ph: 800-765-7093

Questions?

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Registration Form

Waseca, July 31, 2009
Registration fee per person: \$35

Pre-registration requested by July 10

Name: _____

Address: _____

City: _____

State: _____

Zip code: _____

Email: _____

Phone: _____

More than one person from same organization: _____

Names: _____

Total: _____

@\$35 = _____

Mail registration form with check made payable to SROC to:

SROC, Workshop-Aeration, 35838 120th Street, Waseca, MN 56093