

**Air Quality Solutions for Swine Producers
Workshop Registration Form**

Please use a separate form for each registering individual. Checks should be made payable to: **Iowa State University**. MasterCard and Visa accepted. Complete the registration form and send payment to:

Beth Weiser, Ag & Biosystems Engineering
208 Davidson Hall
Ames, IA 50011
(515) 294-0557
Fax: (515) 294-2255
E-mail: weiser@iastate.edu

Name

Address

City, State, Zip

Phone

Fax

E-mail

Registration Deadlines & Fees

The registration fee includes lunch, refreshment breaks, and class materials.

Registration: \$ 40.00

Late registration (after March 1, 2006) \$ 50.00

Total submitted \$ _____

Please check the box below where you will be attending:

ISU Armstrong Research Farm Learning Center
Lewis, Iowa

Ed Prince Building, Hamilton County
Fairgrounds, Webster City, Iowa

IOWA STATE UNIVERSITY
University Extension
Agricultural & Biosystems Engineering
208 Davidson Hall
Ames, IA 50011

**AIR QUALITY
SOLUTIONS FOR
SWINE PRODUCERS:
EXAMINING THE OPTIONS**

MARCH 7, 2006
ARMSTRONG FARM
53020 HITCHCOCK AVE
LEWIS, IOWA

OR

MARCH 8, 2006
ED PRINCE BLDG,
HAMILTON CO FAIRGROUNDS,
WEBSTER CITY, IOWA

IOWA STATE UNIVERSITY
University Extension

Schedule of Workshop Activities

Morning Session

- 8:30AM Registration
9:00AM Welcome & Purpose
Site Host
9:15AM Why is it Important? Case Study
Dr. Steve Hoff
10:00AM The Science of Air Quality-
Understanding Odor Transmission,
Terminology, and Health Standards
Dr. Hongwei Xin
10:30AM Break
10:45AM What are the Choices to Mitigate Air
Quality Problems? An Overview of
Possible Approaches
Dr. Robert Burns
11:30AM Possible Solutions -
Diet Manipulation for Case Study
Dr. Wendy Powers
12:15PM Lunch

Afternoon Session

- 1:00PM Possible Solutions-Biofilter Design
for Case Study
Dr. Jay Harmon
1:45PM Possible Solutions - Vegetative
Environmental Buffer for Case Study
Dr. Joe Colletti
2:30PM Summary - What did we learn and
how can you apply it?
Site Host
3:00PM Adjourn

Example Problems

Example problems will be worked through during these workshops. Producers interested in using their own farms to utilize while working through the examples are encouraged to bring siting specifications, ventilation specifications, and current diet formulations for comparison purposes.

Participants will also receive a notebook with speaker handouts and the Midwest Plan Service book entitled "Outdoor Air Quality" which is a \$17 value.

Instructors

The workshops will be team taught by Ken Stalder, Steve Hoff, Hongwei Xin, Robert Burns, Wendy Powers, Jay Harmon, and Joe Colletti, Iowa State University.

Cancellation Policy

Written cancellation requests received before 5:00 PM on March 1, 2006 will receive a refund minus a \$10 processing fee. No refunds will be given after 5:00 PM on March 1, 2006.

Questions

If you have questions regarding these workshops, please call or e-mail:
Beth Weiser at (515) 294-0557 or
weiser@iastate.edu

Who Should attend:

- Swine producers interested in evaluating alternatives to control odors, ammonia, hydrogen sulfide or dust transmission.
- Citizens, policy makers or regulators interested in learning more about the science of air quality.

Attendees will:

- Learn about multiple air quality mitigation techniques, when their use is appropriate and their relative costs;
- Learn how to design and implement a biofilter by working through a case study example;
- Understand how to plan a vegetative environmental buffer for use around livestock buildings through a case study example;
- Gain experience in diet manipulation techniques through case study examples;
- Understand terminology associated with air quality issues;
- Learn about factors influencing the transmission of odors and toxicology issues concerning air quality.

Workshop Sponsors

Iowa Pork Industry Center
Iowa Pork Producers Association
ISU Agricultural & Biosystems Engineering
ISU College of Agriculture