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Air Quality Resources for Iowa Animal Agriculture

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Air Quality Resources
for Iowa Animal Agriculture

Iowa State University Extension
Animal Agriculture and Air Quality
http://www.extension.iastate.edu/airquality/

Iowa Concentrated Animal Feeding Operation Air Quality Study
http://www.public-health.uiowa.edu/ehsrc/CAFOstudy.htm

Publications
A current list of fact sheets, bulletins, newsletters and teaching materials regarding air quality issues can be accessed on the publications page of the Animal Agriculture and Air Quality Web page at http://www.extension.iastate.edu/airquality/pubs.html.

This page contains information from Iowa State University as well as other sources. To obtain copies of these materials, you can print most of the materials directly from the page. Or, to order the materials listed on the page, please see the links at the bottom of the page for additional information.

Odor Control Publications available from Iowa State University include:

- EDC 129 Manure Matters – Odor and Nutrient Management Newsletter
- EDC 162h Air Quality and Animal Agriculture
- PM 1935 Gaseous Emissions from Animal Agriculture
- PM 1937 Odor Control Technology Use by Iowa Swine Producers
- PM 1605 Guidelines for Minimizing Odor in Swine Operations
- PM 1684 Measuring Odors
- PM 1754a Iowa Odor Control Demonstration Project: Synthetic Covers
- PM 1754b Iowa Odor Control Demonstration Project: Aeration
- PM 1754c Iowa Odor Control Demonstration Project: Biocovers
- PM 1754d Iowa Odor Control Demonstration Project: Pit Additives
- PM 1754e Iowa Odor Control Demonstration Project: Soil Injection
- PM 1754f Iowa Odor Control Demonstration Project: Anaerobic Digestion
- PM 1754g Iowa Odor Control Demonstration Project: Composting
- PM 1754h Iowa Odor Control Demonstration Project: Landscaping
- PM 1754i Iowa Odor Control Demonstration Project: Solids Separation
- LOR 1 Livestock Odor Reduction Demonstration Project
- Odor Assessment and Control (L.I.F.E. Home Study Series)

To order the above publications, please call the Extension Distribution Center at 515-294-5247.

Additional print resources from MidWest Plan Service include:

- Midwest Plan Service, MWPS-18, Section 3 – Outdoor Air Quality
- National Center for Manure & Animal Waste Management White papers on Animal Agriculture and the Environment, Searchable CD, WP-CD-1

To order please contact MidWest Plan Service, 122 Davidson Hall, Iowa State University, Ames, IA 50011, or call 515-294-4337 or 1-800-562-3618, or email mwps@iastate.edu.

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Research Projects
For links to the research report abstracts with investigators and funding sources identified and a more comprehensive list of research being done on this subject, please see the research reports page on the Animal Agriculture and Air Quality Web site at http://www.extension.iastate.edu/airquality/reports.html.

Regulatory Resources
• Iowa Department of Natural Resources
  Air Quality Bureau of the Environmental Protection Division
  Department of Natural Resources
  7900 Hickman Rd., Suite 1
  Urbandale, IA 50322
  515-281-6729
  http://www.iowacleanair.com

  Proposed ambient air standards for hydrogen sulfide and ammonia
  http://www.iowacleanair.com/prof/progdev/proposed_standards.htm

• U.S. EPA
  Region VII, U.S. E.P.A
  Air, RCRA, and Toxics Division
  US EPA Region 7
  901 N 5th Street
  Kansas City, KS 66101
  (913) 551-7020
  http://www.epa.gov/region07/programs/artd/air/air.htm

• National Pollutant Discharge Elimination Systems (NPDES)
  http://cfpub.epa.gov/npdes/home.cfm?program_id=7

Other Resources
• Iowa State University
  Nutrient Management Laboratory
  http://www.ans.iastate.edu/research/nutrientlab.html

  Air Dispersion Laboratory
  http://www.abe.iastate.edu/adl/adl.htm

• University of Iowa
  Environmental Health Sciences Research Center
  http://www.public-health.uiowa.edu/ehsrc/index.html

  Hygienic Laboratory
  http://www.uhl.uiowa.edu

• Center for Agricultural Safety and Health
  http://www.public-health.uiowa.edu/ICASH/index.html

• National Swine Research and Information Center
  http://www.nsic.ars.usda.gov/

• University of Kentucky
  Reducing Ammonia Emissions from Poultry Houses by Enhanced Manure and Diet Management
  http://www.bae.uky.edu/IFA/S/Default.htm

• University of Minnesota
  Manure and Odor Education and Research
  http://manure.coaes.umn.edu/odor/index.html

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