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# Air Quality Resources

## for Iowa Animal Agriculture

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### 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
- Livestock and Poultry Environmental Stewardship Curriculum: Module E – Outdoor Air Quality <http://www.lpes.org/>
- 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](mailto:mwps@iastate.edu).

## 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](http://www.iowacleanair.com/prof/progdev/proposed_standards.htm)

Animal Feeding Operations

502 East 9<sup>th</sup> St.  
Des Moines, IA 5319  
515-242-6128  
<http://www.state.ia.us/epd/wastewtr/feedlot/feedlt.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](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.nsrc.ars.usda.gov/>

#### • University of Kentucky

Reducing Ammonia Emissions from Poultry Houses by Enhanced Manure and Diet Management  
<http://www.bae.uky.edu/IFAFS/Default.htm>

#### • University of Minnesota

Manure and Odor Education and Research  
<http://manure.coafes.umn.edu/odor/index.html>

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#### ... and justice for all

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