Appendix O - Sources Cited, Reviewed or Considered

Journal Articles and Book Chapters:


**Proceedings:**


Standardized Testing and Reporting for Mitigation Technologies - D. Schmidt, C. Clanton, L. Jacobson


Siting of Livestock and Poultry Facilities Using MNSET - D. Schmidt and L. Jacobson
A Receptor-Based Siting Strategy for Swine Production Systems - S. Hoff, D. Bundy, J. Harmon, and C. Johnson

The Use of Vegetative Environmental Buffers for Livestock and Poultry Odor Mitigation - J. Tyndall


Water Requirements for Dust Control on Feedlots - J. Harner, R. Maghirang, and E. Rozate

Reducing H₂S, NH₃, PM, and Odor Emissions from Deep-pit Pig Finishing Facilities by Managing Pit Ventilation - L. Jacobson, B. Hetchler, and D. Schmidt

Effects of Waste Management Techniques to Reduce Dairy Emissions from Freestall Housing - M. Calvo, K. Stackhouse, Y. Zhao, Y. Pan, T. Armitage, and F. Mitloehner;

Dust and Ammonia Control in Poultry Production Facilities Using an Electrostatic Space Charge System - C. Ritz, B. Mitchell, B. Fairchild, M. Czarick, and J. Worley


Atomization Treatment to Improve Air Quality in a Swine Concentrated Animal Feeding Operation (CAFO) - P. Juergens and G. Rapp

Odorgon: Overhead Spray System to Neutralize Odors - S. Opheim

Effectiveness of Litter Treatments for Reduction of Ammonia Volatilization in Broiler Production - J. Blake, J. Hess, and K. Macklin

Bioaugmentation of Treatment System for Skatole Degradation: Bioremediation Potential for Odors Reduction at Livestock Operations - N. Lovanh, J. Loughrin, and K. Sistani;

The Effects of Acidifier Applications in Reducing Emissions from Dairy Corrals - K. Stackhouse, J. McGarvey, Y. Pan, Y. Zhao, and F. Mitloehner
Use of Sodium Bisulfate to Reduce Ammonia Emissions from Poultry and Livestock Housing - T. Marsh-Johnson and B. Murphy

Using Klasp™ to Reduce Poultry Housing Ammonia Emissions - L. Reeder and V. Johnson

Microbial Additives to Reduce Ammonia Emission from Poultry Houses - D. Karunakaran


Reducing Ammonia Emissions from Poultry Litter with Alum - P. Moore, D. Miles, and R. Burns

Using Liquid Aluminum Sulfate to Reduce Poultry Housing Ammonia Emissions - R. Burns, P. Moore, and L. Moody


Environmental Responses to Dietary Monensin in Lactating Dairy Cows - S. Hamilton and F. Mitloehner


Effects of Dietary Manipulation on Ammonia Emissions - Carter, M. Lachmann, and J. Bundy


Dietary Manipulation to Lower Ammonia Emission from Laying-hen Manure - S. Roberts, H. Xin, H. Li, R. Burns, K. Bregendahl, and E. Hall III

Feeding a Combination of Acidogenic Materials and Cation Exchangers Reduces Manure Ammonia Emissions and Improves Laying Hen Performance - E. Hale III

Manure Ammonia Emission Reductions Achieved by Feeding DDGS to Laying Hens Housed in a Production Environment - E. Hale III

Practical Partial Biofiltration of Swine Exhaust Ventilation Air  
S. Hoff, J. Harmon, L. Chen, K. Janni, D. Schmidt, R. Nicolai, and L. Jacobson;

Biofiltration-Mitigation Odor and Gas Emissions from Animal Operations  
D. Nicolai, K. Janni, and D. Schmidt

Significant Odor Reduction from a Highly Efficient Micro-ecosystem Based on Biofiltration - R. Treloar and R. Treloar


Effects of Sodium Bisulfate on Alcohol, Amine, and Ammonia Emissions from Dairy Slurry - F. Mitloehner, H. Sun, Y. Pan, Y. Zhao, w. Jackson, L. Nuckles, I. Malkina, and V. Arteaga;


Gas Impermeable Film and Sheet for Control of Methane and Odors in Agricultural Applications - G. Kolbasuk

A Review of Permeable Cover Options for Manure Storage - R. Burns and L. Moody

A New Geosynthetic Cover for Odor Control and Biogas Collection - A. Mills

Negative Air Pressure Cover for Preventing Odor Emission from Earthen Manure Storage - Q. Zhang and D. Small


The Use of Anaerobic Digestion Systems to Mitigate Air Emissions from U. S. Livestock production Facilities - K. Bracmort and R. Burns

A Surface Aeration Unit for Odor Control from Liquid Swine Manure Storage Facilities - J. Zhu, C. Dong, C. Miller, L. Wang, Y. Li, and S. Mukhtar
Management of Dairy Operations to Prevent Excessive Ammonia Emissions
S. Mukhtar, A Mutlu, and S. Rahman

Characterizing Ammonia Emissions from Swine Farms in Eastern North Carolina-
Part 1. Conventional Lagoon and Spray Technology for Waste Treatment
V. Aneja, S. Arya, I. Rumsey, and C. Williams

Characterizing Ammonia Emissions from Swine Farms in Eastern North Carolina-
Part II. Potential Environmentally Superior Technologies for Waste Treatment
V. Aneja, S. Arya, I. Rumsey, and C. Williams

Effect on Residue Cover and Crop Yield of Manure Incorporation Equipment
H. Hanna, S. Mickelson, and S. Hoff

A Review of Manure Injection to Control Odor and Ammonia Emissions during the Land
Application of Manure Slurries - R. Muhlbauer, J. Puck, B. Puck, and R. Burns

Western Dairy Air Quality Symposium. Appendix E. Sponsored by Western States Dairy

Wisconsin Agricultural Stewardship Initiative. Ammonia Emissions Workshop. Co-
sponsored by USDA Dairy Forage Research Center, UW-Extension Cooperative
Extension, Wisconsin Agricultural Stewardship Initiative and Wisconsin Department
of Natural Resources. March 30, 2005.
Federal, State and Other Government Documents:


Idaho DEQ – Scientific Basis for the Control of Ammonia from Dairy Farms Best Management Practices 7/18/06.


San Joaquin Valley Air Pollution Control District. Air Pollution Control Officer’s Determination of VOC Emission Factors for Dairies. August 1, 2005.

San Joaquin Valley Air Pollution Control District. Draft Methodology to Establish Revisions to VOC and PM10 Emissions Factors for San Joaquin Valley Dairies.


San Joaquin Valley Air Pollution Control District. Rule 4570 Permit Application Form for Implementation of VOC Best Management Practices.


San Joaquin Valley Air Pollution Control District. Compliance Assistance Bulletin.


Wisconsin Department of Natural Resources. Nitrate in Groundwater – A Continuing Issue for Wisconsin Citizens by The Nutrient Management Subcommittee of the Nonpoint Source Pollution Abatement Program Redesign. Groundwater Wisconsin’s buried Treasure.


USDA. Research Project: Improving Nutrient Digestibility to Enhance Forage Utilization in Lactating Dairy Cow Feeding Systems. Project Number: 3655-31000-021-00


UW Extension. A3769. Recommended Methods of Manure Analysis.


Food and Agriculture Organization of the United Nations. Proper Manure Application to Land.

EB.AIR/WG.5/2001/7.
Natural Resource Conservation Service (NRCS) Documents:


An Introduction to Natural Resources Conservation Service (NRCS) Feed Management Practice Standard 592. J. H. Harrison, Washington State University, R. A. White, Washington State University A. Sutton and Todd Applegate, Purdue University. Galen Erickson, University of Nebraska. R. Burns, Iowa State University. Funded by USDA and NRCS. April 12, 2007

University Extension Documents:


Alberta Agriculture and Rural Development Division. Ammonia Volatilization from Manure Application. By Atta Atia, PhD., Livestock Air Quality Specialist, Agriculture Stewardship Division, Alberta Agriculture and Rural Development.


Purdue University. Scott Radcliffe, Brian Richert, Danielle Sholly, Ken Foster, Brandon Hollas, Teng Lim, Jiqin Ni, Al Heber, Alan Sutton; Purdue University Research Summary: Diet Modification to Reduce Odors, Gas Emissions and Nutrient Excretions from Swine Operations.

Texas A & M University. Carey, John B. Mitigation Strategies for Ammonia Management.


University of Saskatchewan. Prairie Swine Center. Payeur, Michel et al. Controlling Odour and Dust Emissions from Swine Barns.


Reports:


Presentations:

Coburn, Jeff and Marion Deerhake. Growth-Stage Specific Ammonia Emission Factors for Swine CAFOs. RTI International.


Atmospheric Research, Department of Civil & Environmental Engineering, Washington State University, Pullman, Washington.


Other Documents:


