



Livestock and Poultry Environmental (LPE) Learning Center.

Educational Webcast Series

<http://www.extension.org/animal+manure+management>

## Greenhouse Gas Emissions Estimation and Reporting

**December 18, 2009**

2:30 pm (eastern), 1:30 pm (central), 12:30 pm (mountain), 11:30 am (pacific)

This webcast will include an update on implementation of the manure management section of the newly released Greenhouse Gas Emissions Reporting rule, with an industry perspective on impacts of the rule. The webcast will also highlight a USDA ARS model on calculating greenhouse gas emissions and plans to develop resources to help affected producers comply with the EPA rule. *An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) has been submitted.*



**C. Alan Rotz, P.E., Ph.D.**, is an Agricultural Engineer with the USDA's Agricultural Research Service. He has led the development of a farm simulation model used to evaluate and compare the performance, economics, and environmental impact of farm production systems. His current work emphasizes the measurement and modeling of gaseous emissions from farms. Al holds degrees from Elizabethtown College and The Pennsylvania State University. Since 1997, he serves as the lead scientist of the integrated farming systems project at the Pasture Systems and Watershed Management Research Unit in University Park, Pennsylvania. He is a member of the American Forage and Grassland Council and serves on the Board of Directors of the Pennsylvania Forage and Grassland Council. He is a Fellow of the American Society of Agricultural and Biological Engineers and a registered Professional Engineer in the State of Michigan. Phone: 814-865-2049; Email: [al.rotz@ars.usda.gov](mailto:al.rotz@ars.usda.gov)

**Rick Stowell, P.E., Ph.D.**, is an Associate Professor in the Biological Systems Engineering and Animal Science Departments at the University of Nebraska. As an Extension Specialist in Animal Environment, he delivers programs in animal housing systems, air quality, and control of odor and gas emissions. He leads the Air Quality Education in Animal Agriculture project, which oversees the Air Quality section of the Learning Center website. Rick's degrees in agricultural engineering are from the University of Wisconsin and Michigan State University. Phone: 402-472-3912; Email: [rstowell2@unl.edu](mailto:rstowell2@unl.edu)



### How Do I Participate?

On the day of the webcast, go to [http://www.extension.org/pages/Live\\_Webcast\\_Information](http://www.extension.org/pages/Live_Webcast_Information) to download the speaker's power point presentations and connect to the virtual meeting room. First time viewers should also follow the steps at:

[http://www.extension.org/pages/How\\_Do\\_I\\_Participate\\_in\\_a\\_Webcast%3F](http://www.extension.org/pages/How_Do_I_Participate_in_a_Webcast%3F).

### Links For More Information:

\* Dairy GHG model developed by Al Rotz: <http://www.ars.usda.gov/Main/docs.htm?docid=17355>

\* EPA site: <http://www.epa.gov/climatechange/emissions/ghgrulemaking.html>

The LPE Learning Center is a project dedicated to the vision that individuals involved in public policy issues, animal production, and delivery of technical services for confined animal systems should have on-demand access to the nation's best science-based resources. See our website at: <http://www.extension.org/animal+manure+management>.