



## NAQSAT, a Tool for Determining Opportunities to Reduce Air Emissions from Beef and Dairy Farms

**August 20, 2010**

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

The National Air Quality Site Assessment Tool (NAQSAT) was developed for poultry and livestock producers to assist in determining the areas on their operations where opportunities exist to make changes that will result in reduced air emissions. The tool addresses eight concerns that relate to air emissions: animals and housing, feed and water, collection and transfer of manure, manure storage, land application, mortalities, on-farm records and public perception. NAQSAT can be used for swine, dairy, beef, broilers chickens, laying hens and turkeys operations. It is an on-line tool, developed for voluntary and educational use, available to the public at: <http://naqsat.tamu.edu/>. This is the first of a two part series of webcasts. During the first webcast Natalie Rector will provide a tool overview; Crystal Powers will discuss case studies on beef farms; and Dr. Tamilee Nennich talk about the application of the tool on dairy farms. *An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) will be submitted.*

**Natalie Rector** has twenty-two years of experience as a Multi-County Extension Field Crops Agent in south central Michigan and has spent the last 6 years on state-wide responsibilities for manure nutrient management for MSU Extension. She holds a Bachelor of Science degree in Crop and Soil Science and a Master of Science degree in Natural Resources, both from MSU. Phone: (269) 781-0908; Email: [rector@msu.edu](mailto:rector@msu.edu)



**Crystal A. Powers, M.S., E.I.T.**, is an Extension Engineer in Biological Systems Engineering at the University of Nebraska – Lincoln. Her research and extension involve the impact of livestock on agroecosystems. She has been involved in the development of the Nebraska Odor Footprint Tool, air quality technology demonstration, and vegetative treatment systems for beef feedlots. She received her Master of Science degree from Cornell University in Agricultural and Biological Engineering. Phone: (402) 472-0888; Email: [cpowers2@unl.edu](mailto:cpowers2@unl.edu)

**Dr. Tamilee Nennich** is an Assistant Professor in Dairy Cattle Nutrition and Nutrient Management at Purdue University. Her research evaluates management strategies that increase the utilization of nutrients. Her current research projects focus on the evaluation of co-product feeds in the diets of dairy heifers and evaluating water usage and nutrient flows on dairy operations. Nennich received her Ph.D. from Washington State University. Phone: (765) 494-4823; Email: [tnennich@purdue.edu](mailto:tnennich@purdue.edu)



### Join the Discussion

Before or after the webcast, ask questions, post comments, upload photos, or share you experiences with these topics by going to <http://animalag.ning.com>. Click on “discussion” to start, contribute, or follow discussions that interest you most.

### 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:

- \* *Air Quality in Animal Agriculture*: [http://www.extension.org/pages/Air\\_Quality\\_in\\_Animal\\_Agriculture](http://www.extension.org/pages/Air_Quality_in_Animal_Agriculture)
- \* *Animal Agriculture and Air Quality*: <http://www.extension.iastate.edu/airquality/homepage.html>
- \* *Air Managements Practices Assessment Tool*: <http://www.extension.iastate.edu/airquality/practices/homepage.html>
- \* *Manure Management and Air Quality*: <http://www.manure.umn.edu/index.html>
- \* *Livestock Manure Management*: <http://manure.unl.edu>

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>.