



Livestock and Poultry Environmental (LPE) Learning Center.  
Educational Webcast Series  
<http://www.extension.org/animal+manure+management>

## Capturing Valuable Nutrients from Manure: Part 3

### January 17, 2014

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

This month we finalize our 3-part series of webcasts on nutrient capture from manure. The focus of this webcast will be on experiences with nutrient management and capture in New York, a nitrogen capture technology under evaluation in Michigan, and technology used at Murphy-Brown Farms of Missouri to concentrate nutrients and solids (Crystal Peak Fertilizer Process). *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.*

**Curt Gooch, PE** is a Dairy Environmental System Engineer in the Department of Biological and Environmental Engineering with the PRO-DAIRY Program at Cornell University. Gooch manages the dairy environmental systems group; his group's focus is on manure handling and treatment, nutrient management, renewable energy (anaerobic digestion), animal agriculture and climate change, and overall sustainability. PRO-DAIRY is a collaborative effort between the New York State Department of Agriculture and Markets, Cornell University, and the New York State/US dairy industry. The focus of PRO-DAIRY is to conduct relevant applied research projects and develop and deliver cutting edge information to the dairy industry. Phone: 607.255.2088, e-mail: [cag26@cornell.edu](mailto:cag26@cornell.edu)

**Brian Paulsen** is the Director of Environment, Health & Safety at Murphy Brown of Missouri, where he has served for 20 years in various positions with varying levels of responsibility. His career has allowed him to experience both the production and processing side of the business. His focus has been in the area of environmental management and new process development. He has a B.S. Degree from Southern Illinois University in Geography /Urban and Regional Planning and a Master's Degree in Public Administration from Western Kentucky University. He resides in Trenton, Missouri with his wife, Lisa and daughter Maddison. Phone: 660-748-7316, Email: [BrianPaulsen@murphybrownllc.com](mailto:BrianPaulsen@murphybrownllc.com)



**Mr. Sasha Scattergood** is a Process Researcher with Anaergia, a global leader in the production of clean energy, fertilizer and recycled water from organic waste streams. As part of his R&D exercises, Sasha oversees nutrient recovery processes including submerged air stripping to recover ammonia, solid-liquid separation for recovery of phosphorous and evaporation technologies for concentrating potassium. Sasha earned his Masters of Science from the University of Guelph in 2012 specializing in advanced wastewater treatment using novel membrane bioreactors. Phone: 647-292-9308, Email: [sasha@anaergia.com](mailto:sasha@anaergia.com)

**Dr. Dana Kirk** is a faculty member in the Department of Biosystems and Agricultural Engineering at Michigan State University and a licensed professional engineer in the State of Michigan. He is the manager of the MSU Anaerobic Digester Research and Education Center (ADREC). The ADREC is collaborative effort between the University and a private foundation to provide a continuum of research, professional development and outreach support for waste-to-energy systems. In addition to managing the ADREC, he also oversees design, construction and operation activities of the universities two commercial scale anaerobic digesters. Phone: 517-432-6530, Email: [kirkdana@msu.edu](mailto:kirkdana@msu.edu)



#### How Do I Participate?

On the day of the webcast, go to [www.extension.org/58813](http://www.extension.org/58813) to download the speaker's power point presentations and connect to the virtual meeting room. First time viewers should also follow the steps at: [www.extension.org/8924](http://www.extension.org/8924).

#### For More Information

- <http://www.anaergia.com/>

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>.