



Livestock & Poultry Environmental Learning Center News

Connecting Experts With Those Advising Animal Producers

October, 2010

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

Looking Forward to the November Webcast

Spill Prevention Control and Countermeasures (SPCC)

If your farm stores oil, fuel, or oil products, you should take note of the Spill Prevention, Control, and Countermeasures (SPCC) program. This rule applies to storages of a certain size and places some planning requirements on the farm. The webcast speakers will also discuss the proposed exemption for certain milk containers. Presenters will be: Carol Galloway, EPA Ag Center and Troy Swackhammer, EPA Office of Emergency Management. November 19, 2010 at 2:30 pm (eastern); 1:30 pm (central); 12:30 pm (mountain); 11:30 am (pacific). [More...](#)



What is Going On In the LPE Learning Center?

Anaerobic Digestion Section Now Live!



The anaerobic digestion (AD) section of the LPE Learning Center website has expanded to 10 pages. In addition to the [introduction](#) and article about [economics](#) (published previously) the section now includes information on the [process](#) of AD, [types](#) of digesters, [feedstocks](#), environmental [benefits](#), [safety](#), biogas [utilization](#), [pathogens](#), and uses for the [solids and by-products](#). Future articles are planned on greenhouse gases, case studies, a photo gallery, and nutrient transformation. This was a joint effort with the “Sustainable Ag Energy” team in eXtension and is the result of contributions by many authors and reviewers from all over the country. [See the published articles...](#)

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National Resources

Report on Greenhouse Gases, Life Cycle Assessments, Nutrients in Water Report, EPA Permit Writers Manual

Role of Agriculture in Reducing Greenhouse Gases. Last month, we featured an Agronomy Society report on agriculture’s role in GHG emissions and capture. [View the Report...](#) This month, we highlight a new, related report from the USDA Economic Research Service (ERS). Carbon offsets and incentive payments are being considered to encourage rural landowners to pursue climate-friendly activities to combat climate change. This report examines several federal conservation programs to provide preliminary estimates of the costs of agricultural carbon sequestration. [View the report...](#) Related LPELC webcasts are available at:



[Animal Ag's Role in Greenhouse Gas Production](#) and [Greenhouse Gas Emissions Estimation](#) and [Carbon Footprint of Animal Agriculture](#).

Life Cycle Assessments Released. Swine, beef, and dairy producers have some new resources to consult when discussing the carbon footprint of their production systems. The Leopold Center in Iowa released a report on [swine](#) systems in the Upper Midwest to compliment the previously-released report on [beef](#) systems. View the [Leopold Center report....](#) The Innovation Center for US Dairy reported that the U.S. dairy industry has completed its study on greenhouse gas (GHG) emissions associated with the production of a gallon of fluid milk in the U.S. The study helps validate that total U.S. dairy GHG emissions are approximately 2 percent of total U.S. emissions, a level far less than other figures previously and inaccurately attributed to U.S. dairy. View the [US Dairy Center report....](#)

EPA Permit Writers Manual. The U.S. Environmental Protection Agency (EPA) is releasing a revised edition of the NPDES Permit Writers' Manual, which provides a comprehensive overview of the basic framework of the National Pollutant Discharge Elimination System (NPDES) program and serves as a principal training tool for new state and EPA permit writers. First released in 1996, the revised manual has been updated to reflect current policy and guidance, address changes to the NPDES program, and include new EPA program areas. [More...](#)

Nutrients in Streams and Groundwater. The US Geological Survey released its national assessment on nutrients in streams and groundwater. The information available include a circular, fact sheet, briefing sheet, FAQs, and supporting information are available. [More...](#)

LPES Curriculum—Check Your Links! Just a reminder that the Livestock and Poultry Environmental Stewardship Curriculum is now hosted through the LPE Learning Center site at: [http://www.extension.org/pages/Livestock and Poultry Environmental Stewardship Curriculum](http://www.extension.org/pages/Livestock_and_Poultry_Environmental_Stewardship_Curriculum). The old site (lpes.org) redirected web traffic for a while, but that redirect has expired. The content that now shows up at lpes.org is NOT associated with the LPE Learning Center. If you link to or use any of the pages or documents that used to be at lpes.org, please check those links and make sure they point to the [extension.org](#) site instead.

Spotlight On:

Ammonia Emissions, Clean Air Act Turns 40, SARE Farmer/Rancher Grants



Injection Reduces Ammonia Emissions. In a study that adds to the growing body of evidence on controlling ammonia in land application of manure, the USDA Ag Research Service shows that farmers can greatly reduce ammonia emissions by injecting liquid manure below the soil surface.

[More...](#) See a related LPELC webcast at:

[Air Emissions After Manure Land Application](#)

Clean Air Act Turns 40. In 1970, President Richard Nixon signed legislation aimed at protecting air quality. [More...](#)

SARE Farmer/Rancher grants. Farmers and ranchers interested in environmental sustainability are invited to apply for grants from the Sustainable Agriculture Research and Education (SARE) program. The amount available varies by region (\$6000 to \$15,000 for individual producers and up to \$30,000 for groups of producers). All regions are currently soliciting applications (deadline in parenthesis). [North Central Region](#) (December 2) | [Northeast Region](#) (December 7) | [Southern Region](#) (November 15) | [Western Region](#) (December 3)

For even more news from the world of manure management, check out the LPELC [newsroom](#) or the LPELC [blog](#).

Events and Announcements

October Webcast Doubleheader, National Poultry Waste Management Symposium

October Webcast (NAQSAT): The National Air Quality Site Assessment Tool (NAQSAT) can be used to identify opportunities for livestock and poultry operations to reduce air emissions. This presentation is the second of a two part series and will include case studies on swine and poultry operations. Speakers are: Natalie Rector, Jerry May, and Darrin Karcher; Michigan State University. October 15, 2010 at 2:30 pm (eastern); 1:30 pm (central); 12:30 pm (mountain); 11:30 am (pacific). [More....](#) To review Part 1 (beef and dairy case studies) visit the [webcast archive](#).



October Webcast (Live from the National Poultry Waste Symposium): The LPE Learning Center team is travelling to the National Poultry Waste Management Symposium in North Carolina. This webcast will feature a synopsis by four presenters and a panel discussion. Questions will be answered from the live audience as well as the webcast audience. Topics range from phosphorus, to the Chesapeake Bay and economics/environmental aspects of using poultry litter on crops to air quality. Speakers are: Kelly Donham, University of Iowa; Daren Harmel, USDA ARS; Steve Auman, PCS Sales; James McNaughtan, AHPharma. October 26, 2010. Tentative time: 6 pm (eastern) [More...](#)

National Poultry Waste Management Symposium. Don't miss this chance to find academic, industry and agency expertise all in the same place. October 26-18, 2010 in Greensboro, North Carolina. [More...](#)

Have your state/regional/national event added to our [calendar of events](#). Send them to Jill at jheemstra@unl.edu

LPELC Community & Blog. As always, there is much more going in the world of animal ag and environment than can fit in the newsletter. To see more, visit the [LPELC Community](#). If you set up a free profile (optional), you can add your own interesting, newsworthy, or even funny items to the blog.

The LPE Learning Center is a community of practice within the National eXtension Initiative | Room 6 ACB | Lincoln | NE | 68583-0918

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