

## **Jeffrey Paul Porter**

Manure Management Team Leader  
USDA-NRCS-ENTSC  
2901 E. Lee Street, Ste. 2100  
Greensboro, NC 27401  
Office Phone: (336) 370-3342  
Mobile: (336) 404-4348  
Email: jeffrey.porter@gnb.usda.gov

### **Education**

1987	MS	Agricultural Engineering, Purdue University, West Lafayette, IN
1985	BS	Agricultural Engineering, Purdue University, West Lafayette, IN

### **Positions**

2014	Team Leader, Manure Management Team, NRCS, Greensboro, NC
2006-2014	Environmental Engineer, Manure Management Team, NRCS, Greensboro, NC
1999-2006	Assistant State Conservation Engineer, NRCS, Des Moines, IA
1995-1999	Hydraulic Engineer, NRCS, Des Moines, IA
1994-1995	Civil Engineer, NRCS, Macon, MO
1989-1994	Area Engineer, NRCS, Burton, MI
1987-1989	Agricultural Engineer, ARS, West Lafayette, IN

### **Professional Overview and Objectives**

Major focus is on reviewing and evaluating innovative technologies in manure management, and working with the states to assist in the transfer of these technologies to help carry out the NRCS mission. Also serves as the agency lead on the Comprehensive Nutrient Management Plan (CNMP) update process which focuses on policy, procedure and training.

### **Areas of Expertise**

- Evaluate innovative manure handling and treatment technologies
- Assist states on use and implementation of common and emerging manure management technologies
- Assist national headquarters and states on the Comprehensive Nutrient Management Plan (CNMP) process and provide training for states and technical service providers (TSP)
- Provide guidance on nutrient management utilizing manure nutrients
- Provide training on manure management related topics
- Review and update NRCS technical documents and conservation practice standards
- Serve as agency expert for manure to energy technologies

### **Manure and Livestock Related Webinars**

DeClue, Robert, Kevin Ogles, Jeffrey Porter. "Solar Powered Water Systems for Grazing Operations". ENTSC Technology Webinar Series. 2014.

Porter, Jeffrey. "Evaluation of Manure Treatment Systems". ENTSC Technology Webinar Series. 2014.

Porter, Jeffrey, William Boyd. "Manure to Energy". ENTSC Technology Webinar Series. 2012.

Porter, Jeffrey, William Boyd. "Management of Manure Nutrients". ENTSC Technology Webinar Series. 2012.

Reck, Bill, Jeffrey Porter. "Milkhouse Wastewater Treatment Options". ENTSC Technology Webinar Series. 2010.

Porter, Jeffrey. "The Good, Bad and Ugly of Two Four Letter Words (CAFO and CNMP)". ENTSC Technology Webinar Series. 2009.

### **Affiliations**

American Society of Agricultural and Biological Engineers - Associate Member  
Licensed Professional Engineer (Civil) - Iowa  
Licensed Professional Engineer (Civil) - Michigan

### **Professional Publications**

Reddy, Gudigopuran B. Reddy, Dean A. Forbes, Richard Phillips, John Sely S. Cyrus, Jeffrey Porter, "Demonstration of technology to treat swine waste using geotextile bag, zeolite bed and constructed wetland", Ecological Engineering, 57, 353-360, 2013.

Porter, Jeffrey, John Davis, and Darren Hickman, "Selection Guidance for Manure Management Technologies", Poster Session, International Symposium on Air Quality and Manure Management for Agriculture, ASABE, 2010.

Porter, Jeffrey, "Gasification of Animal Mortalities: The North Carolina Experience", Poster Session, 3rd International Symposium on Management of Animal Carcasses, Tissue and Related Byproducts, 2009.

Porter, Jeffrey, Fred Gasper, James Dickie, James Vosburgh, "Use of Nov-Woven Geotextile Reinforced Vegetated Chutes as Cost Effective Grade Stabilization Structures", Land Reclamation: Advances in Research and Technology, ASABE, 1992.

Renard, Kenneth G., G. R. Foster, G. A. Weesies, J. P. Porter, "RUSLE – Revised Universal Soil Loss Equation," Journal of Soil and Water Conservation, 1991.

Porter, Jeffrey, E. J. Monke, M. R. Ladisch, D. P. Kessler, "Particle Separation in a Packed Column", ASABE Annual Meeting, 1987.