

Christopher Henry, M.S., P.E.

E-mail: chenry@unl.edu

Home Page: www.rainbowtel.net/~henryfar

217 L. W. Chase Hall

Lincoln, NE 68583-0726

(402) 472-6529

Education

Kansas State University ✕ 1991- 1998

M.S. in Biological and Agricultural Engineering

B.S. in Biological and Agricultural Engineering - Environmental Emphasis

Secondary Major: Natural Resources and Environmental Sciences

Experience

University of Nebraska - Lincoln ✕ 1998 - Present ✕ Extension Engineer II

- ▶ Work in cooperation with other livestock waste engineer specialist to develop programming for livestock producers in Nebraska.
- ▶ Responsible for all aspects of the Manure Matters Website, manure.unl.edu, which involves distribution of a monthly newsletter on a manure or waste management issue.
- ▶ Proposed, conduct, and coordinate a \$254,000 grant from the Nebraska Environmental Trust aimed at providing financial and technical assistance to small livestock producers. The focus is to introduce new technologies and alternative systems that reduce the environmental impact of livestock. Coordinate the effort between 10 local agencies, state agencies, and commodity groups.
- ▶ Responsible for the design and construction oversight of all installed projects for previously mentioned grant. Projects included: concrete manure storage, earthen debris basins, surface flow constructed wetlands, clean water diversions, pump station and distribution system, low water stream crossings for cattle, a partial pond renovation, and lagoon abandonments.
- ▶ Responsible for developing educational materials on livestock environmental issues for livestock producers and technical advisors.
- ▶ Spearheaded effort to acquire funding to collect emissions data and develop a simple tool for estimating setback distances from livestock facilities using dispersion models.

Henry Farms of Brown County ✕ 1990 - Present ✕ Farmer

- ▶ Responsible for billing of landlords, hybrid selection, and assist with seed sales activities.
- ▶ Participate in seasonal harvest operations of family farm.
- ▶ Responsible for yield and planting mapping, data management and fertilizer prescription decisions.
- ▶ Responsible for design of grain handling facilities, machine building foundation design, and construction.

Kansas State University ✕ 1996 - 1998 ✕ Graduate Research Assistant

Melvorn Watershed Assessment Project:

- ▶ Responsible for the collection and execution of reconnaissance data into a watershed water quality model. Supervised two undergraduate students who assisted in collecting data.
- ▶ Generated the output from the model that was necessary for making recommendations and developing Total Maximum Daily Loads (TMDL s) for the lake and watershed.
- ▶ Evaluated different management practices (i.e. no-till, feedlots, impoundments, different crop, and grassland conditions) and their effects on the water quality of the lake.

Evaluation of Vegetation as a Tool for Reclaiming Abandoned Livestock Facilities:

- ▶ Responsible for all aspects of the project.
- ▶ Researched the topic, designed field, greenhouse and laboratory experiments and executed experiments for three abandoned sites in Kansas.
- ▶ Evaluated the efficiency of 8 different types of vegetation and the nutrient status of feedlots floors.

Christopher Henry, M.S., P.E.

E-mail: chenry@unl.edu

Home Page: www.rainbowtel.net/~henryfar

217 L. W. Chase Hall

Lincoln, NE 68583-0726

(402) 472-6529

	<p>Cross Creek Watershed Management District No. 42 ♂ 1996 - 1997 ♂ Consultant</p> <ul style="list-style-type: none">▶ Investigated two small watersheds near Rossville, Kansas using the WEPP (Water Erosion Prediction Project) watershed simulation model.▶ Collected and compiled soil, slope, land use, and climate data.▶ Assisted in analysis of model output and reported findings to the watershed management district.
Certification	<ul style="list-style-type: none">▶ Registered Professional Engineer (E-10364, Nebraska)▶ Commercial Class A Drivers License with Haz-mat and Bulk Liquid Endorsements▶ Certified On Farm Odor/Environmental Assessor (swine, beef and dairy)▶ Nuclear Gauge Certified (Troxler), 49 CFR172 subpart H, cert # 096986
Selected Extension Materials	<p>Henry, C and M. Brumm. 2002. Nebraska Livestock Waste Regulations Home Study Course. University of Nebraska Cooperative Extension.</p> <p>Henry C. and D. Schulte. 2002. Assessing Odor Risk. Manure Matters Newsletter. http://manure.unl.edu/adobe/v8n2_02.pdf</p> <p>Henry, C. 2002. Proposed EPA AFO/CAFO Regulations. Nebraska Pork Talk Magazine. Volume 33, Number 1. June 2001.</p> <p>Henry C., B. Wills, and L. Bitney. 2001 NebGuide: Disposal Methods of Livestock Mortality. Cooperative Extension. University of Nebraska. G01-1421-A</p> <p>Henry, C. 2000. Runoff Control Systems for Open Lots. Manure Matters Newsletter. http://manure.unl.edu/adobe/v6n10_00.pdf</p> <p>Henry C., A. Rosenboom, and D. Hurtz. 1999. How many permits do I need? Manure Matters Newsletter. http://manure.unl.edu/v5n4_99.html</p>
Selected Papers	<p>Henry, C. G., J. P. Harner, T. D. Strahm, and M. R. Reynolds. 2002. Design and Construction of Wetlands for Treatment of Open Lot Runoff. Presented at 2002 International ASAE Meeting. Paper No. 024159, 2950 Niles Road, St. Joseph, MI 49085-9659 USA.</p> <p>Henry, C. G. 1998. Master s Thesis: Evaluating Vegetation as a Tool for Reclaiming Abandoned Livestock Facilities. Biological and Agricultural Engineering. Kansas State University. Manhattan, Kansas.</p> <p>Henry, C. G., P. K. Kalita and M. R. Keaton. 1997. Application of WEPP Watershed Model to Cross Creek Watershed. Presented at the 1997 Mid-Central ASAE Meeting. Paper No. MC97-133. ASAE, 2950 Niles Road, St. Joseph, MI 49085-9659 USA.</p> <p>Koelliker, J. K., K. R. Mankin, P. K. Kalita and C. G. Henry. 1997. Integrated Approach for Watershed and Lake Water Quality Assessment. Presented at 1997 International ASAE Meeting. Paper No. 972151, 2950 Niles Road, St. Joseph, MI 49085-9659 USA.</p>
Memberships & Committees	<ul style="list-style-type: none">▶ Livestock Environmental Issues Committee▶ Methane Recovery Committee▶ Nebraska Pork Producers Association, Environmental Committee▶ Pork Interest Group▶ Professional Engineers Institute (PEI)▶ Member of ASAE, since 1992▶ Member of Alpha Epsilon Honor Society for Agricultural Engineering