

Quick Guide

to

Nebraska Nonpoint Source Projects

(FFY 2005 Section 319 - Revised July 30, 2007)

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Nebraska Nonpoint Source Pollution Management Program
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Title: **East Branch Verdigris Creek Watershed Implementation**
Grant: FFY'05 #56-0582 \$379,800 Surface Water
Sponsor: Upper Elkhorn North Natural Resources District, 402-336-3876, Dennis Scheuth
Summary: In 2003, the Upper Elkhorn NRD initiated the Community Based Planning Process for the East Branch Verdigris Creek watershed above Grove Lake. Through this process, Technical and Watershed Advisory Councils were established, a watershed-wide resource assessment was completed, and a watershed water quality management plan was developed. This plan was designed to proactively implement, as necessary, measures to protect and maintain water quality at a level to maintain East Branch Verdigris Creek's Coldwater Class A designation, protect and improve groundwater quality, and ensure drinking water standards are met.

Title: **Edgar Wellhead Protection Plan Implementation**
Grant: FFY'05 #56-0583 \$99,652 Ground Water
Sponsor: City of Edgar, 402-224-5145, Dennis Moore
Summary: The city of Edgar, located in Clay County in the southeast portion of Nebraska, has been placed on Administrative Order by the Nebraska Health and Human Services System because nitrate levels in the city's water system consistently exceeded the maximum contaminant level for nitrates. The City currently is implementing a community-based planning process, in cooperation with the Nebraska DEQ, to develop a wellhead area management plan and conduct a pilot project to address Edgar's nitrate problem in their groundwater supply.

Title: **Holmes Lake Watershed Treatment**
Grant: FFY'05 #56-0586 \$254,680 Surface Water
Sponsor: City of Lincoln Parks and Rec. Dept., 402-441-7589, Ben Higgins
Summary: The City of Lincoln and Lower Platte South NRD in cooperation with local homeowners/neighborhood associations is seeking 319 funding to primarily reduce pollutant loading of phosphorus, sediment and associated pollutants to Holmes lake. The sources of these pollutants are typically from the Holmes lake Watershed in the form of sheet and rill erosion, gully and stream bank erosion, urban runoff, construction site runoff, fertilizer, and animal waste.

Title: **Advanced On-Site Wastewater Alternative System Education**
Grant: FFY'05 #56-0587 \$259,742 Statewide I & E
Sponsor: UNL-Institute of Agri. And Nat. Resources, 402-472-8656, Wayne Woldt
Summary: Proper treatment of wastewater is essential for protection of the environment and public health. About 75% of wastewater is treated using municipal wastewater treatment plants, and 25%, a significant portion, is treated by onsite wastewater treatment systems. Given the large amount of wastewater that is handled by onsite systems, education of onsite wastewater professionals plays a key role in protecting water resources and public health in Nebraska. Members of the industry need, and want, training on alternative treatment systems including operation, installation and management. This proposal addresses the need for industry education through development, delivery, and evaluation of statewide training on four alternative treatment methods during a two-and-a-half year period. This proposal also includes the development, delivery, and management of two distance education units for continuing education.

Title: **Husker Farm Program**
Grant: FFY'05 #56-0588 \$150,000 Statewide I & E
Sponsor: Nebraska Corn Growers Association, 402-438-6459, Scott Merritt
Summary: The mission of the Husker FARM program is to help growers evaluate, improve and enhance their best management practices plan for their farm and implement this plan to improve their stewardship of natural resources, while allowing for efficient and profitable production. Husker FARM promotes and educates producers about recommended conservation practices and the availability of cost-share funding.

Title: **Alternative Technology for Livestock Producers**
Grant: FFY'05 #56-0589 \$221,881 Surface Water
Sponsor: UNL-Biological Systems Engineering, 402-472-6529, Chris Henry
Summary: New regulatory requirements to the NPDES permit program has changed the way NDEQ will regulate small animal feeding operations. Small AFOs will be scrutinized more about their connection with surface water. These regulatory changes will dramatically increase the need for assistance to producers who should remain outside the regulatory circle. The goal is to assist such producers. The project strives to improve small farm's pollution potential through on the ground demonstration of technology and practices that can work on small farms.