

CWF Feedlot Water Quality Management Grant for FY 2012

Fillmore Soil and Water Conservation District

**Clean Water Fund Grant
Awarded \$ 180,882**

Grant Period (incl. extensions)

From: March 22, 2012

To: December 31, 2014

Funds Returned to State

Type \$0

Date Fund Returned: N/A

Expenditures by Category

Administration/ Coordination	\$1,132.00
---------------------------------	------------

Project Development	\$0.00
------------------------	--------

Private Technical and Engineering	\$2,523.75
---	------------

SWCD Technical and Engineering	\$12,296.25
-----------------------------------	-------------

Construction	\$164,930.00
--------------	--------------

Total CWF Budget	\$180,882.00
-----------------------------	---------------------

PROJECT CONTACT

Donna Rasmussen, Administrator
507-765-3878, ext 3
donna.rasmussen@fillmoreswcd.org

*Prepared by Fillmore SWCD
for BWSR Website Reporting Requirements*



<—Before

Open lots with polluted runoff create difficult herd management situations. Valuable nutrients in the manure are lost to runoff

After : (picture below) The fixes improve herd health, site management, and utilization of the nutrients in the manure saving both time and money.



Outputs and Outcomes

Outputs: Two feedlot projects were completed using these CWF dollars. One project was an open lot fix which installed runoff controls for treatment. These runoff controls consisted of concrete scrape alley and walls for containment with picket fence to hold back solids and a controlled outlet for liquids to be released onto a grass buffer for treatment. The second feedlot project was a relocation of the site to another location with construction of a total confinement roof structure.

Projected Outcomes:

Water pollution reduction estimates for these projects:

BOD (biological oxygen demand) = 2,910 lbs/yr

COD (chemical oxygen demand) = 13,097 lbs/yr

Fecal Coliform Bacteria = 11.85+15 colony forming units/yr

Nitrogen = 728 lbs/yr

Phosphorus = 247 lbs/yr