Vegetative Treatment Systems
Using feedlot runoff as fertilizer

The Vegetative Treatment System effectively reduces the concentration of manure-associated bacteria in the soil over time. If properly managed, 100% of fecal indicators and pathogens can be prevented from entering surface waters.

Runoff from feedlot pens is collected in one of four sediment basins and piped to a pump station by gravity.

Only one treatment area is used at a time.

Application of runoff to field.

Collection of overflow.

Pump Station: Flow onto vegetative area and return flow is measured.

Soil and runoff samples were analyzed for nutrients and microbes.

2013CMDC-Durso (1)

2013CMDC-Durso (2)