



Water Quality Enhancement Activity – WQL31 – Land application of treated manure

State Criteria (same as NATIONAL CRITERIA) with the following clarifications:

Acceptable treatment practices to reduce both odors and pathogens in animal manure include:

- o Controlled temperature anaerobic digestion (mesophilic or thermophilic),
- o Composting, or
- o Chemical treatments.

Soils shall be sampled and analyzed in accordance with Practice Specification for Practice Specifications Nutrient Management [\(S-590\)](#) or NebGuide [“Guidelines for Soil Sampling” \(G1740\)](#).

All soil samples must be taken prior to applying fertilizer or manure.

Manure shall be sampled and analyzed annually in accordance with NebGuide [“Sampling Manures for Nutrient Analysis, G1450”](#), NebGuide [“Manure Testing: What to Request, G1780”](#), Nutrient Management [590](#), and Nutrient Management Specifications [\(S-590\)](#).

Nutrient application rates are within University of Nebraska recommendations based on soil tests and established yield goals considering all nutrient sources (refer to Practice Standard [590](#) and Practice Specification [\(S-590\)](#) for Nutrient Management).

Documentation Requirements (SEE NATIONAL ENHANCEMENT ACTIVITY JOBSHEET)

Additional State Documentation Requirements

1. Provide description of manure treatment process in Table 1.
2. Provide a map indicating where the activities were applied.
3. Provide copies of soil test results.
4. Provide copies of manure analysis.
5. Complete the nutrient and fertilizer application Table on the following page.

Table 1 – Manure Treatment Practice		
Type & Number of Livestock	Manure Treatment Practice Used Prior to Land Application	Date Practice Employed
<i>500 head farrow</i>	<i>Temp. Controlled Anaerobic digester (mesophilic)</i>	<i>11/2/12</i>

I certify that the enhancement criteria have been met and the required documentation provided to NRCS.

Certified by: _____ **Date:** _____



United States Department of Agriculture
Natural Resources Conservation Service

NE-WQL31 2015 Ranking Period 1

Field Information		Commercial Fertilizer and Manure Information									
Tract & Field and Acres	Crop & Yield	Date Fertilizer / Manure Applied	Form of Commercial Fert. or Manure	Rate (lb/a)	Application Method	If Treated Manure, Days to Incorp.	N Avail. (lb/a)	P Avail. (lb/a)	Total N Avail. (lb/a)	Total P Avail. (lb/a)	
EX. T1234 & F1 78.9 ac	Prev. Crop	3/30/12	82-0-0	100 lb./a	Inject	na	82	0	173.5	104	
	Soybeans	5/1/12	28-0-0	10 gal/a	Planter	na	30	0			
	Crop	6/30/12	Swine Effluent	1 ac-in/lac	Center pivot	No incorp.	61.5	104			
	Yield										
	Prev. Crop										
	Crop										
	Yield										
	Prev. Crop										
	Crop										
	Yield										