

Birchen Farms
Stephenson County, IL

**Comprehensive Nutrient
Management Plan**

Table of Contents

1	Producer Information
2	Notes to Reviewers
3	Warranty of Technical Services Provided
4	Maps of fields & farm
5	Construction Drawings
6	Site Description
7	Waste Volume Calculations
8	Emergency Action Plan
9	Farm Nutrient Production
10	Operation & Maintenance
11	Safety Recommendations
12	Odor & Pathogen Management
13	Sampling Procedures
14	Future Wells
15	Land Treatment
16	Nutrient Management Planning
17	Storm Water Management Plan
18	Manure Application Considerations
19	Recommended Application Rates
20	Manure Application & Storage Summaries
21	Supplemental Nutrients, P & K Levels
22	Value of Manure
23	Field Inventory & Yield Info
24	FSA Maps
25	Soil Analysis
26	Manure Analysis Records
27	Manure Easements
28	Individual Fields
29	Individual Fields
30	Planned vs. Actual Manure Application Sheets
31	Recordkeeping Forms



Frank & West
Environmental Engineers, Inc.

7226 N. State Route 29
Springfield, IL 62707

Phone: 217/487-7686
Fax: 217/487-7687

Outline of CNMP Document

Section 1	Producer Information
Section 2	Notes to Reviewers
Section 3	Warranty of Technical Services Provided
Section 4	Maps of fields and farm
Section 5	Construction Drawings
Section 6	Description of the site, facility pictures, site facility layout, and soils info
Section 7	Calculations including facility and storage inventories & waste production
Section 8	Emergency Action Plan
Section 9	Whole Farm Nutrient calculations
Section 10	Facility Operation & Maintenance Plans
Section 11	Facility Safety Recommendations
Section 12	Odor & Pathogen Management
Section 13	Sampling procedures for soil and manure testing
Section 14	Future Wells
Section 15	Land Treatment Practices
Section 16	Nutrient Management Plan description and P & N risk assessments
Section 17	Storm Water Management Plan
Section 18	Manure Application Considerations
Section 19	Recommended Manure Application Rates “Red Cheat Sheet”
Section 20	Manure Application & Storage Summaries
Section 21	Supplemental Nutrients Needed Projected Soil P & K levels – time to reach 300 lbs/acre
Section 22	Value of manure vs. commercial fertilizer
Section 23	Field inventory & yield info Expected crop rotation & yields
Section 24	FSA Maps
Section 25	Soil Analysis
Section 26	Manure Analysis Records
Section 27	Manure Easements
Section 28-29	Individual field information Includes maps with application setbacks, soil test P & K values, crop rotation, expected yields, predominant soil type
Section 30	Planned vs. Actual Manure Applications, “tractor cab sheets”
Section 31	Recordkeeping Sheets– keep on file for 5 years Producer checklist Manure application information, including weather conditions Manure transfers off-site, Farm crop records, Mortality records, CNMP reviews, Facility inspections, Application equipment calibration

This CNMP was developed using estimated manure production. Estimates and actual numbers may vary based on climate, animal inventories, etc.