

2012 NPDES Permit Annual Report

Paul Fiedler

Fiedler Finishing – Site Four

13209 100th Ave
Villard, MN 56385



Jared P. Anez, CCA, TSP
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Animal Feedlot or Manure Storage Area Annual Report

NPDES/SDS Permit Program

Doc Type: Permitting Annual Report

Instructions on Page 8

Facility Information

Name: Fiedler Finishing- Site 4 Registration number: 121-50002
 Location: SE 1/4 of SW 1/4 of Sec.27 - Westport Township - Pope County Phone: 320-352-3894
 Address: 13209 100th Ave
 City: Villard State: MN Zip: 56385
 E-mail address: _____

NPDES/SDS Permit number: MN G440154 Reporting period: (09/01/2011 – 08/31/2012) *

National Pollutant Discharge Elimination System (NPDES) /State Disposal System (SDS)

The reporting period for all the information required in this report has changed to the 12-month cropping period. Please see Part IV Item C. below for an explanation of 12-month cropping period.

I. Type and Number of Animals

Report the maximum number of each type of animal confined at this facility at any one time.

Type	Number in open confinement	Number housed under roof
Mature dairy cow (over 1,000 pounds)		
Mature dairy cow (under 1,000 pounds)		
Dairy heifer		
Dairy calf		
Veal		
Beef slaughter steer/heifer, stock cow, or bull		
Beef feeder cattle (stocker or backgrounding), heifer		
Beef cow and calf pair		
Beef calf (weaned)		
Swine (over 300 pounds)		3,008
Swine (between 55 and 300 pounds)		240
Swine (under 55 pounds)		
Horses		
Sheep or lamb		
Chickens w/liquid manure systems		
Broiler chickens w/dry manure systems		
Layer hens w/dry manure systems		
Turkeys (over 5 pounds)		
Turkeys (under 5 pounds)		
Ducks		
Others (List Types):		
1.		
2.		

II. Manure and Process Wastewater Production

Report the estimated amount of manure and process wastewater that were generated at this facility in the 12-month period covered by this report. Process wastewater is any wastewater that is handled or stored separately from the manure such as feedpad runoff or milkhouse waste.

- A. Amount of manure generated in the 12-month period covered by this report. Liquid 7,368,800 gallons and/or solid N/A tons.
- B. Amount of process wastewater generated in the 12-month period covered by this report: N/A gallons.

III. Manure and Process Wastewater Transferred to Other Persons

Report the estimated amount of manure and process wastewater that was transferred to other persons in the 12-month period covered by this report. Transferred manure includes all application to land that is not owned, rented, or under direct control of the feedlot owner/operator.

- A. Amount of manure transferred in the 12-month period covered by this report: Liquid 7,368,800 gallons and/or solid N/A tons.
- B. Amount of process wastewater transferred in the 12-month period covered by this report: N/A gallons
- C. All transferred manure records for the 12 month period (Sept. 1, 2011 to August 31, 2012) must be submitted on the form Records When Manure Ownership is Transferred – 300 or More Animal Units shown on pages 11 and 12 of this report, or an electronic record form can be found at: <http://www.pca.state.mn.us/index.php/view-document.html?gid=13360>

IV. Land and Application of Manure and Process Wastewater

(Complete this section for *non-transferred* manure only. If all manure is transferred go to Section V now.)

- A. Report the total number of acres of land that are covered by this facility's manure and nutrient management plan (MMP). Include all land application acres covered by the Manure Management Plan (MMP), whether or not they were used for land application during the 12-month period covered by this report.
Total number of land application acres covered by the MMP: 0 acres
- B. Report the total number of acres of land where manure or process wastewater generated at this facility was spread. Include only land application areas that are under the control of this facility.
Total number of acres under the control of the facility used for land application in the 12-month period covered by this report: 0 acres.
- C. All land application records for the 12 month period (Sept 1, *Year 1* to Aug 31, *Year 2*) corresponding to the *crop year* that ended during calendar year of this report must be submitted on the form *Records for 300 or more AU* shown on pages 6 and 7 of this report, or on the electronic records form found in the MPCA manure management planner at <http://www.pca.state.mn.us/index.php/view-document.html?gid=3556> An example of a 12-month cropping period is shown below (example Sept 1, 2011 to Aug 31, 2012). Emergency applications of liquid manure on frozen or snow covered soils must also be reported in Section IX on page 4.



V. Summary of Discharges

(Does not apply to any occurrences in which manure was land applied in accordance with Minn. R. 7020).

Provide a summary of each discharge of manure, litter, and/or process wastewater from the production area(s) that occurred in the 12-month period covered by this report. Attach additional sheets, if needed.

A discharge is a release of manure, litter, and/or process wastewater to waters of the state by leaking, pumping, pouring, emitting, emptying, dumping, escaping, seeping, leaching, or any other means.

Date ^a	Time ^b	Location ^{c,f}	Description ^{d,f}	Volume ^e

^a **Date:** The date of the discharge. If the discharge was detected after it happened, give an estimate of the date when the discharge occurred.

^b **Time:** The time of the discharge. If the discharge was detected after it happened, give an estimate of the time when the discharge occurred.

^c **Location:** The location of the discharge to waters of the United States. Be specific. Include the name of the water body and a specific description of where the manure, litter, or process wastewater entered the water body. Include landmarks or other points of reference (e.g., Three Mile Creek, at southeast corner of feedlot where creek bends to the west).

^d **Description:** Provide other relevant information about the discharge, including the source, cause, composition (e.g., emergency overflow of process wastewater from lagoon #2), and impacts observed (e.g., fish kill in water body).

*Volume: Give an estimate of the number of gallons or tons of manure, litter, or process wastewater discharged. This information is not required by the NPDES Confined Animal Feeding Operation regulations to be included in the annual report.

VI. Manure and Nutrient Management Plan

(Complete this section for non-transferred manure only. If all manure is transferred go to Section VII now.)

- A. Indicate whether the facility's current MMP was either developed by or reviewed and approved by (check all that apply):
- Natural Resource Conservation Service (NRCS) certified Technical Service Provider for nutrient management planning
 - Certified Crop Advisor
 - Someone who completed at least two parts of the Minnesota Extension Service Manure Management Workshop series (offered since 2004)
 - Other – Please note that the Minnesota Pollution Control Agency (MPCA) does not require facility owners to use a certified nutrient management planner to prepare or approve MMPs.
- B. Was the MMP updated or modified during the past calendar year? Yes No
If yes, check each of the following ways that the MMP was modified:
- Changed rate of application due to changes in:
 Manure nutrient content Method of application Crop rotation
 Rates of supplemental commercial fertilizer Other (explain): _____
 - Changed fields due to:
 Fields no longer available for application Additional acreage became available
 Avoiding use of high soil test phosphorus fields New manure sources
 Other (explain): _____
 - Changed setbacks and/or management in sensitive areas: Yes No
 - Changed timing of application so that more manure is applied during:
 Summer Early fall Late fall Winter Spring

VII. Instances of Non Compliance Not Previously Reported

During the 12 month period covered by this report, have there been any instances of noncompliance which have not been reported to the MPCA?

Yes No If yes, please provide the information requested in items A.-D., below, with this annual report.

- A. Description of the noncompliance and its cause: _____
- B. The period that the operation was in noncompliance with permit conditions, including exact dates and times.
- C. In those cases where the noncompliance has not been corrected, the anticipated time it is expected to continue
- D. Description of the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

VIII. Damage and Repair of Any Manure Storage Area

Was there any damage done to any of the manure storage areas at the facility? Yes No

If yes, provide the information requested in items A-F below for each incident of damage to each manure storage area with this Annual Report:

- A. Identify the manure storage area(s) that was/were damaged: _____
- B. Describe the damage(s) done to the manure storage area(s): _____
- C. Describe the corrective action(s) taken to repair the damage(s) to the manure storage area(s): _____
- D. Provide the date when the damage(s) was/were discovered: _____
- E. Provide the date when the corrective action(s) was/were taken: _____
- F. Did the damage(s) cause an overflow of manure or process wastewater from any liquid manure storage area: _____

IX. Emergency Applications of Liquid Manure on Frozen or Snow-Covered Soils

If no emergency applications of non-transferred manure were made during the 12-month period covered by this Annual Report, skip this section and go to next Section X now.

Otherwise submit the reason(s) for the emergency application(s) and then complete the table below before moving on to Section X. List reason(s) for emergency application(s) below:

Field ID	Gallon/acre applied	Total gallons applied to field	Emergency actions taken (enter number from list below)	Distance between applied manure and closest sensitive feature* (feet)	N applied during emergency application (lb/a)	P2O5 applied during emergency Application (lb/a)	Total N applied for the entire cropping year to emergency application area (lb/a)	Total P2O5 applied for the entire cropping year to emergency application area (lb/a)

Emergency actions taken (select one and enter number above):

1. Transferred manure to another liquid manure storage area at facility.
2. Transferred manure to another liquid manure storage area **not** at facility.
3. Only the minimum amount of manure was applied to alleviate the emergency situation.
4. Other (attach details).

*Sensitive features include: Lakes, streams, intermittent streams, drainage ditches without berms, open tile intakes, wells, wetlands, and sinkholes. Only include distance to those features within the field, or within 300 feet from the edge of the field. If over 300 feet, enter >300.

X. Manure composting activities (does not apply to composting of dead animals)

Are there any manure composting activities occurring at the facility? Yes No If no, go to Section XII now.

If yes, provide the information required in Part III, item E.2 of the General NPDES/SDS Permit with this Annual Report.

Quantities and sources of manure, bulking agents, and /or solid waste. Quantity: _____ source(s): _____
 Analysis of the finished compost: pH _____ moisture content: _____ particle size: _____
 NPK ratio: _____ soluble salt content: _____

Attach the temperature and retention time data for all compost produced.

XI. Permanent and Temporary Closure of Any Portion of the Facility during the 12 Month Period of this Report.

If there were no cessations of use of all or any part of the facility as defined in Part IV, Item A. of the General NPDES/SDS Permit, go on to Section XIII now. Otherwise complete the rest of this section below.

List the animal holding areas and manure storage areas closed below:

The dates they were closed (mm/dd/yyyy): _____

Actions taken to prevent discharges below:

Enter records of all land applications of manure and manure-contaminated soils from the closed facilities on the record keeping forms on pages 6 and 7 of this report.

XII. Groundwater Monitoring Results from the 12 Month Period of this Report

If groundwater monitoring is not required at the facility, go to the next section now. Otherwise continue with this section.

Did any monitoring system construction or repairs occur? Yes No

Attach the information required in Part III, item G.5 of the General NPDES/SDS Permit. Attach all results obtained from monitoring wells and/or perimeter tile, including all analytic results, any groundwater elevation data, any monitoring system construction or repairs, and any MPCA-required interpretation of results.

XIII. Certification

I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner/Operator:

Print name:

Paul Fiedler

Title:

Owner

Signature:

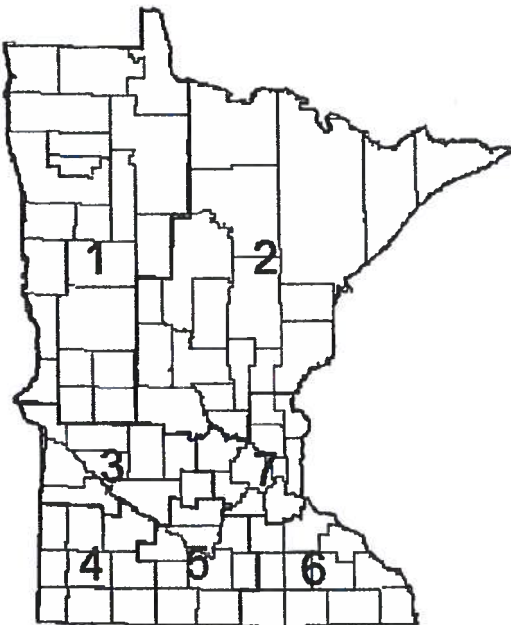
Paul Fiedler

Date:

2-20-13

Submit by March 1st of each year
Submit to your MPCA Regional Office at the address provided below:

Minnesota Pollution Control Agency – Regional Offices



- 1) Detroit Lakes: 714 Lake Avenue, Suite 220
Detroit Lakes, MN 56501
Phone: 218-847-1519 · Fax: 218-846-0719
- 2) Brainerd: 7878 College Road, Suite 105
Baxter, MN 56425
Phone: 218-828-2492 · Fax: 218-828-2594
- 3) Willmar: 1601 Highway 12 East, Suite 1
Willmar, MN 56201
Phone: 320-214-3786 · Fax: 320-214-3787
- 4) Marshall: 504 Fairgrounds Road, Suite 200
Marshall, MN 56258
Phone: 507-537-7148 · Fax: 507-537-6001
- 5) Mankato: 12 Civic Center Plaza, Suite 2165
Mankato, MN 56001
Phone: 507-389-5977 · Fax: 507-389-5422
- 6) Rochester: 18 Wood Lake Drive Southeast
Rochester, MN 55904
Phone: 507-285-7343 · Fax: 507-280-5513
- 7) St. Paul: 520 Lafayette Road North
St. Paul, MN 55155
Phone: 651-296-6300 800-657-3864

2012 Crop year
Manure Application Summary



FIEDLER FINISHING, SITE 4
Manure Application Summary

2/13/2013

Totals

Gallons

4,994,800

Acres

395

Fall, 2011			Field ID	142	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
12.000	N	20	0.55	11	132
12.000	P2O5	12	0.8	10	115
12.000	K2O	10	0.9	9	108
Total Gals		1,440,000	Total Acres	120	

Fall, 2011			Field ID	130	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
14.000	N	20	0.55	11	154
14.000	P2O5	12	0.8	10	134
14.000	K2O	10	0.9	9	126
Total Gals		840,000	Total Acres	60	

Fall, 2011			Field ID	131	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
14.000	N	20	0.55	11	154
14.000	P2O5	12	0.8	10	134
14.000	K2O	10	0.9	9	126
Total Gals		1,078,000	Total Acres	77	

Fall, 2011			Field ID	132	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
14.000	N	20	0.55	11	154
14.000	P2O5	12	0.8	10	134
14.000	K2O	10	0.9	9	126
Total Gals		1,092,000	Total Acres	78	

Fall, 2011			Field ID	146	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
9.080	N	20	0.55	11	100
9.080	P2O5	12	0.8	10	87
9.080	K2O	10	0.9	9	82
Total Gals		544,800	Total Acres	60	

2012 Crop year
Manure Application Summary



FIEDLER FINISHING, SITE 4
Manure Application Summary

2/13/2013

Totals

Gallons
Acres

2,374,000
255

Spring, 2012			Field ID	122	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
10.000	N	23	0.55	13	127
10.000	P2O5	10	0.8	8	80
10.000	K2O	12	0.9	11	108
Total Gals		410,000	Total Acres	41	

Spring, 2012			Field ID	120	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
10.000	N	20	0.55	11	110
10.000	P2O5	12	0.8	10	96
10.000	K2O	10	0.9	9	90
Total Gals		1,260,000	Total Acres	126	

Spring, 2012			Field ID	134	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
8.000	N	20	0.55	11	88
8.000	P2O5	12	0.8	10	77
8.000	K2O	10	0.9	9	72
Total Gals		168,000	Total Acres	21	

Spring, 2012			Field ID	136	
RATE MGAL./A	NUTRIEN T	TOTAL LB/MGAL	AVAIL. FACTOR	1ST YR AVAIL. LB/MGAL	2012 AVAIL. LB/A
8.000	N	20	0.55	11	88
8.000	P2O5	12	0.8	10	77
8.000	K2O	10	0.9	9	72
Total Gals		536,000	Total Acres	67	