



PUBLIC HEALTH

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DATE: January 7, 2021
TO: Cerro Gordo County Board of Supervisors
CC: John Robbins, Cerro Gordo County Planning and Zoning
FROM: Daniel Ries, Cerro Gordo County Department of Public Health
SUBJECT: Manure Management Plan for Mike Kuhlemeier (East Site)

This report is being written to make you aware of concerns regarding a Manure Management Plan update received by this office from **Mike Kuhlemeier (East Site)** swine operation. This report is being submitted according to Resolution 2003-123 **A Resolution Adopting Policy for the Receipt, Review and Comment on Manure Management Plans Received by the Cerro Gordo County Board of Supervisors**. Within seven (7) days of receipt of the manure management plan the Environmental Service Manager shall review the Manure Management Plan and prepare a report to the Board of Supervisors detailing the issues to be forwarded to the Iowa Department of Natural Resources.

The confinement unit is located at **5121 Olive Avenue in Section 9 of Geneseo Township**. The swine operation is an existing operation that is not expanding. The operation consists of 5,000 hogs which will produce about 1,193,900 gallons of manure annually. The manure will be stored in below building pits. The manure application area consists of nineteen (19) fields totaling 1,466 acres. The application area includes fields in Sections 8, 9, 16, 17, 21 and 24 of Geneseo Township and Sections 28 and 34 of Bath Township. The concerns with this plan are listed below:

- Rockwell city limits are adjacent to the manure application area in Section 9 and immediately diagonal to the application area in Section 16 of Geneseo Township.
- Linn Grove Campground, Linn Grove Golf Course, Rockwell Aquatic Center, West Fork School, Linn Grove Cemetery and Sacred Heart Catholic Cemetery are within $\frac{3}{4}$ mile or less of the manure application area.
- East Branch Beaverdam Creek and its respective flood plain winds through the manure application area in Sections 9, 16, and 21 of Geneseo Township.
- Beaverdam Creek and its corresponding flood plain are adjacent or encroach into the fields in Section 17 of Geneseo Township.
- There is a small waterway that abuts the north side of the field in Section 24 of Geneseo Township.
- Blazingstar Prairie is about $\frac{3}{4}$ of a mile from the manure application area in Bath Township.
- One field in Section 9 of Geneseo Township contains highly erodible land.

If you have any questions regarding this information, feel free to contact this office at (641) 421-9338 or dries@cghealth.com.



PLANNING AND ZONING Cerro Gordo County Courthouse

220 N Washington Ave
Mason City, IA 50401-3254

(641) 421-3075
plz@cgcounty.org
cgcounty.org/planning

January 8, 2021

TO: Board of Supervisors
CC: Daniel Ries, Senior Environmental Health Specialist
FROM: John Robbins
SUBJECT: Manure Management Plan Update for Mike Kuhlemeier

Gentlemen:

Mike Kuhlemeier has filed a Manure Management Plan Update for an existing facility located in the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 9, Geneseo Township (5121 Olive Avenue). According to the Short Form that was filed states that crop rotation or optimum yields have changed and is using manure analysis to determine application rates.

Manure will be applied on 19 fields totaling 1,466 acres. The number of acres on which manure will be applied is unchanged from the previous year. The plan covers crop years 2021-2022. Only one of the fields contains highly erodible land. This field is located in the W $\frac{1}{2}$ of the SW $\frac{1}{4}$ of Section 9, Geneseo Township and is highlighted red on the attached map. Manure will be knifed in or injected into the soil.

The floodplain of the East Branch of Beaverdam Creek and its tributaries meander through the fields in Sections 9, 16, and 21 of Geneseo Township. Additionally, the creek's western branch abuts the in Section 17 of Geneseo Township. There is also a small waterway that abuts the northwest corner of the field in Section 24 of Geneseo Township. Runoff is not much of a concern since manure will be knifed in or injected immediately.

The fields in Section 9 of Geneseo Township abut the west city limits of Rockwell. There are three public use areas inside Rockwell that are less than $\frac{1}{2}$ -mile from the east line of Section 9. These include Linn Grove County Park and Campgrounds, Linn Grove Golf Course, West Fork schools, and the Rockwell public pool. Linn Grove Cemetery, located in Rockwell, is just more than $\frac{1}{2}$ -mile from these fields. The township cemetery is $\frac{1}{2}$ -mile east of the fields in the NE $\frac{1}{4}$ of Section 16.

The field in Section 16 of Geneseo Township lies just southwest of Rockwell city limits, and the northeastern corner of the fields are about $\frac{1}{2}$ -mile away from Linn Grove County Park. The township cemetery lies approximately $\frac{1}{2}$ -mile east from the fields in Section 16 and just over $\frac{1}{2}$ -mile northeast from the fields in Section 21. The field in section 24 of Geneseo Township is 2 $\frac{1}{2}$

miles east-southeast of the township cemetery and 3 miles south of Ziedler Park, located on the east side of Rockwell.

The field in Section 28 of Bath Township is 2½ miles north of Rockwell city limits. Blazing Star Prairie is ¾-mile east of the field in Section 28 and ¾-mile north of the field in Section 34 of Bath Township. Overall, there are more than 25 rural dwellings within ½ mile of the boundaries of these fields, excluding houses within Rockwell city limits. Manure odors will carry to these public use areas and dwellings depending on weather conditions and wind direction.

The fields along the east lines of Sections 9, 16, and 21 of Geneseo Township and are accessed from US Highway 65, which is hard-surfaced. In addition, the fields in the E½ of the W½ of Section 8 of Geneseo Township is accessed from County Road B-60, and the field in Section 34 of Bath Township is accessed from County Road B-55, which are both hard surfaced. Otherwise, access to the fields included in the plan is from gravel road. Damage to gravel roads can occur if manure is hauled over them after periods of wet weather or when frost boils are emerging.

In summary, my concerns are: the proximity of fields on which manure will be applied to nearby public use areas and residences; the potential impact of runoff in the floodplain of the West and East Branch of Beaverdam Creek; the application of manure on a field with highly erodible land; and the potential damage to gravel roads.

Please contact me if you have any questions.

Attachments



2021 MMP Short Form for Annual Update

Facility

Mike Kuhlemeier # 62117
5121 Olive Ave
Rockwell, IA 50469

Date Due:
02/01/2021

Date Received:
12/30/2020

Date Approved:
01/07/2021

Owner

Mike Kuhlemeier

Contact

Brian Ritland- Pinnacle Group

Mike Kuhlemeier

Prior to making changes in manure management practices, update the on-site copy to show actual changes. Please select changes below and include all changes in your current, on-site MMP.

- I have made no changes to my MMP
- I have added acres
- Change Crop Rotation or Optimum Yields
- Changed Application Method
- Used manure analysis
- I am electing to be a small animal feeding operation (SAFO) or facility capacity has changed
- I have made other changes to my MMP Describe :

- I sell all manure with a Chapter 200A license through the Iowa Department of Agriculture and Land Stewardship.
- In addition to selling manure as indicated above, I also apply manure to fields using a manure management plan.

County Notifications

The following counties have been notified:

Cerro Gordo

Animal Unit Capacity / Payment Summary

Animal Type	Head	AUC	Amount (AUC * 0.15)
Swine Grow to Finish	5000	2000.00	\$300.00
Total	5000	2000.00	\$300.00

I, Brian Ritland, attest that the information indicated above is accurate and complete.

Comments