



PLANNING AND ZONING
Cerro Gordo County Courthouse

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February 25, 2021

TO: Board of Supervisors

CC: Daniel Ries, Senior Environmental Health Specialist

FROM: John Robbins

SUBJECT: Manure Management Plan Update for Christiansen Family Farms – F114, Section 15, Grimes Township

Gentlemen:

This office is in receipt of a new 4-year plan for Christiansen Family Farms for their facility in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ and the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$, Section 15, Grimes Township (4511 – 140th Street). Manure will be spread on 6 fields, totaling 663.5 acres, at a rate of 6,212 gallons per acre in crop years 2021. The number of acres on which manure will be applied is unchanged from the previous year. None of the fields contains highly erodible land. Manure will be surface applied in liquid and/or solid form with incorporation within 24 hours.

Ditch No. 70 runs between the two fields in Section 3 and 10. The floodplain of Ditch No. 70 encroaches into both fields. There is also a significant floodplain area through the field in Section 15, running from northwest to southeast. There is some concern of manure runoff if it rains between the times manure is land applied and when it is incorporated into the soil.

There are some public use areas in proximity to the fields on which manure will be applied. The field in Section 15 is only $\frac{1}{4}$ mile from the Bailey Creek Waterfowl Production Area. This field is also about 1 mile from Thornton city limits. The northerly fields in Section 3 is 1 mile from the Union Hills Area and $1\frac{1}{2}$ miles from and Beaverdam Wildlife Management Area.

There are approximately 12 dwellings within $\frac{1}{2}$ -mile of the fields on which manure will be applied. Odor is likely on days that manure is land applied, and especially prior to it being incorporated into the soil.

Access to the fields in Section 3 is from County Road B-60, which is paved. All other fields on which manure will be applied is by gravel road only. Rutting and other damage can occur on gravel roads if manure is hauled over them following periods of wet weather or when frost boils are emerging.

Concerns related to the application of manure include possible odor impacts on public use areas and dwellings near the fields on which manure will be applied and potential runoff into open water sources. These concerns are heightened since manure will be land applied prior to being incorporated into the soil. The other major concern is the possible damage to and rutting on gravel roads when manure is hauled.

Please contact me if you have any questions.

Attachments



PUBLIC HEALTH

healthier together

DATE: January 25, 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 the Christensen Farms F-114

This report is being written to make you aware of concerns regarding a Manure Management Plan **update** received by this office from **Christensen Farms F-114 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 **4511 140th Street in Section 15 of Grimes Township**. The maximum number of animals confined in the three-building operation (6,240) will remain the same. About 1,965,600 gallons of manure are produced annually and stored in below-building pits. Six fields totaling 663.5 acres will be used for manure application. The six fields are located in Sections 3, 10, and 15 in Grimes Township. The “short form” plan indicates the only change is the use of manure analysis. The concerns are similar to last year and are listed below:

- The city of Thornton is only about 1¼ miles from the manure application area.
- The Bailey Creek Waterfowl Production Area is within ¼ mile of the application area.
- The Union Hills Waterfowl Production Area is about one mile from the manure application area.
- The Beaver Dam Waterfowl Production Area is about 1½ miles from the application area.
- Ring-Neck Wildlife Area is about 1¼ miles from the manure application area.
- Drainage Ditch # 70 and its flood plain dissect the manure application area in Sections 3 and 10.
- A waterway and its flood plain which is a tributary to Bailey Creek originate near the application area in Section 15 of Grimes Township.
- Pleasant View Cemetery (1½ miles), Ingebretson County Park (2 miles), and Pleasant View Golf Course (2 miles) are near the manure application area.

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



2021 MMP Short Form for Annual Update

Facility

F114 Grimes 15 # 65040
4511 140th St
Thornton, IA 50479

Date Due:
02/01/2021

Date Received:
01/25/2021

Date Approved:
01/25/2021

Owner

Christensen Farms & Feedlots Inc
Environmental Resource Manager

Contact

Environmental Resource Manager

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 :

Empty rectangular box for describing other changes.

- 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

Table with 4 columns: Animal Type, Head, AUC, Amount (AUC * 0.15). Rows include Swine Grow to Finish and Total.

I, Josh Holmes on behalf of Christensen Farms, attest that the information indicated above is accurate and complete.

Comments

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