



PUBLIC HEALTH

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DATE: December 10, 2020
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 Engels South

This report is being written to make you aware of concerns regarding a *short form* Manure Management Plan Update received by this office from **Engels South**. 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**. The Environmental Service Manager shall review the Manure Management Plan and prepare a report within seven (7) days for the Board of Supervisors detailing the issues to be forwarded to the Iowa Department of Natural Resources.

The confinement unit is located at **10708 Zinnia Avenue in Section 13 of Owen Township**. The facility capacity is 4,000 finishing hogs which will produce approximately 1,622,620 gallons of manure annually which will be stored in below-building pits. Manure will be applied on a total of 1,192.7 acres; 313.7 acres in Floyd County and 879.0 acres in Cerro Gordo County. The Cerro Gordo County application area consists of eight fields in Sections 1, 4 and 13 of Owen Township and Sections 14, 15, 23 and 27 of Portland Township. Many of the same fields are also used for Engels North. The concerns listed below are based on the impact to Cerro Gordo County:

- Clay Banks Forest, Bird Hill Fossil Site, Grover's Meadows, Limestone Prairie Preserve, Shellrock River Greenbelt, and Owen Grove Cemetery are all within 1½ miles of the manure application area.
- Buffalo Run Golf Club is about one mile from the application area.
- The city of Nora Springs is about one mile from the manure application area.
- The unincorporated village of Portland is about two miles from the manure application area.
- The east city limits of Mason City are about 1½ miles from the manure application area.
- Little Lime Creek and its flood plain abut the field in Section 27 of Portland Township.
- A waterway (a tributary to the Winnebago River) runs adjacent to the field in Section 1 of Owen Township.
- Little Beaver Creek and its flood plain border the manure application area in Section 13 of Owen Township.
- Bad Lands Draw's flood plain encroaches into the corner of the field in Section 4 of Owen Township.
- Waterways dissect the manure application areas in Sections 14 and 15 of Portland Township.

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



PLANNING AND ZONING Cerro Gordo County Courthouse

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cgcounty.org/planning

December 11, 2020

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

Gentlemen:

This office is in receipt of an updated Manure Management Plan for Engels South for a site located at 10708 Zinnia Avenue. The site is legally described as being located in the NE¼ of the NE¼ of Section 13, Owen Township. The update states crop rotation and optimum yields have changes and manure analysis is being used for determining application rates.

The plan states that manure will be spread on 14 fields totaling 1,192.7 acres. Of these acres, 879 are located in Cerro Gordo County with the remainder in Floyd County. The 879 acres in Cerro Gordo County are distributed on 8 fields. The number of acres on which manure will be applied is the same as the previous year. Manure will be applied at a varying rates on the 8 fields in Cerro Gordo County in crop year 2021.. There is no highly erodible land on any of the 8 fields.

Three of the fields have flood hazard areas within their boundaries. These include the field in Section 27 of Portland Township and the fields in Sections 4 and 13 of Owen Township. Manure will be knifed in or injected directly into the soil, which makes runoff less of a concern.

The Owens Grove Cemetery is about ½-mile northwest of the field in Section 4, Owen Township. Five County Conservation areas – Claybanks Forest, Limestone Prairie Preserve, Grover's Meadows, the Shellrock River Greenbelt and Preserve, and the Bird Hill Fossil Site – are all within 1½ miles or less of the fields on which manure will be applied. West Hills Golf Course is located about 1 mile from the fields in Section 14 of Portland Township. There are numerous dwellings within a half mile of the fields.

The fields in Sections 14, 16, 23, and 27 of Portland Township and the field in Section 4 of Owen Township are accessed from gravel roads. Rutting and damage can result if manure is hauled over gravel roads following periods of wet weather or when frost boils are emerging. The remainder of the fields can be accessed by paved roads.

In summary, my major concerns with the plan are odor impacts on public areas and nearby residences as well as possible damage to gravel roads.

Please contact me if you have any questions.

Attachment



2021 MMP Short Form for Annual Update

Facility

Engels South # 61319
10078 Zinnia Ave
Rockford, IA 50468

Date Due:
01/01/2021

Date Received:
11/24/2020

Date Approved:
12/10/2020

Owner

Engels Farms & Robert & Debra Engels

Contact

Brian Ritland- Pinnacle Group

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

Floyd

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

Comments

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