



PUBLIC HEALTH

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DATE: March 24, 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 C.B. Neel & Sons (Dad's Site)

This report is being written to make you aware of concerns regarding an updated Manure Management Plan received by this office from **C.B. Neel & Sons (Dad's 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 **24439 Lark Avenue in Section 1 of Lincoln Township**. The hog population at the site is 2,490 or 996 AU which will produce 621,260 gallons of manure annually that will be stored in below building pits and opened formed structures. There are thirteen fields totaling 849.8 acres used for manure application. Five of the fields are in Worth County. The other eight fields are in Sections 4 and 9 of Lime Creek Township and Sections 1, 2, and 12 of Lincoln Township. The Cerro Gordo County fields account for 475.7 of the acres. My concerns listed below will focus on the impacts to Cerro Gordo County:

- Wharam Creek and its flood plain abut the field in Section 12 of Lincoln Township.
- Blair Creek and its flood plain intersect the manure application area in Sections 4 and 9 of Lime Creek Township.
- There is a waterway which is a tributary of Wharam Creek that cuts through the manure application area in Section 1 of Lincoln Township and is adjacent to the manure application area in Section 12 of Lincoln Township.
- The 11.8 acre field in Section 2 of Lincoln Township is listed as HEL (highly erodible land).
- King Fisher Hollow public use area is about 1¼ miles from the application area.
- Freeman Preserve is about 1¼ miles from the manure application area.
- Bruns and Country Estate Additions are about 1 mile from the manure application area.
- Pine Creek Golf Course is about ¾ mile from the manure application area.
- Lime Creek Conservation Area and Spring Creek Preserve are about 2¾ miles from the manure application area.
- Winnebago Heights is about 2¾ miles from the manure application area.
- The same fields are used for C.B. Neel & Sons (Home Site).

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

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John Robbins, Planning and Zoning Administrator

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Michelle Rush, Executive Assistant

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April 3, 2020

TO: Board of Supervisors

CC: Daniel Ries, Senior Environmental Health Specialist

FROM: John Robbins

SUBJECT: Manure Management Plan Updates for C.B. Neel & Sons for Site Nos. 63839 & 63840

Gentlemen:

This office is in receipt of Manure Management Plan Updates for existing confinement sites owned by C.B. Neel & Sons. The first facility, known as "Dad's Site" is located at 24439 Lark Avenue and is in the SW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 1, Lincoln Township. The second facility is the "Home Site," located at 24939 Lark Avenue, in Section 36, Danville Township, in Worth County. The facilities will be reviewed separately below. Both updates state crop rotation or optimum yields have changed and manure analysis is being used to determine application rates.

"Dad's Site," Section 1, Lincoln Township, Cerro Gordo County

This existing facility houses 2,490 head (996 animal units). The plan addresses the application of manure on 13 fields, totaling 849.8 acres. Eight of the 13 fields are in Cerro Gordo County. These eight fields total 475.7 acres and are in Sections 1, 2, and 12 of Lincoln Township and Sections 4 and 9 of Lime Creek Township (outlined in yellow on the attached aerial photo). The number of acres on which manure will be applied is the same as the previous year. The other five fields are in Worth County. An 11.8-acre field in the S $\frac{1}{2}$ of the NE $\frac{1}{4}$ of Section 2, Lincoln Township contains highly erodible land. It is highlighted red in the attached map.

According to the form, crop rotation or optimum yields have changed and manure analysis for determining application rates when applying manure has been used. Manure will be applied at varying rates, alternating years during crop years 2020 through 2021, except for the 153.4-acre field in the NW $\frac{1}{4}$ of Section 1 of Lincoln Township which will receive manure per acre in both crop years. Manure will be knifed in or injected into the soil on all fields.

The floodplain of Wharam Creek abuts the southern boundary of the field in Section 12 of Lincoln Township. There is also a floodplain to a tributary of Wharam Creek along the northerly edge of this field. There is a floodplain along a waterway feeding a tributary of Wharam Creek running through the field in Section 1, Lincoln Township. The floodplain of Blair Creek meanders through the fields in Sections 4 and 9 of Lime Creek Township. Runoff is less of a concern from these fields since manure will be knifed in or injected into the soil.

The closest public use area from the fields on which manure will be applied is King Fisher Hollow. This is a facility operated by the Cerro Gordo County Conservation Board. It is located about 1½ miles southwesterly of the field in Section 2 of Lincoln Township. The field in the NW¼ of Section 9, Lime Creek Township is located about ¾ miles north of Pine Creek Golf Course, Bruns Addition, and Country Estates Addition.

There are about a dozen dwellings within ½-mile of the seven fields in Cerro Gordo County on which manure will be applied. Manure odors are likely on days that manure is applied to the fields.

Seven of the eight fields in Cerro Gordo County can be accessed from a hard-surfaced road. However, the field in Section 2 of Lincoln Township and the fields in Worth County can only be accessed from 340th Street. This is a gravel road on the Worth County line. Rutting or other damage may result due to the hauling of manure over gravel roads following periods of wet weather or when frost boils are emerging.

“Home Site,” Section 36, Danville Township, Worth County

This facility, in Worth County, houses the same number of animals as the facility in Cerro Gordo County.

The manure management plan addresses the application of manure on the same 849.8 acres on 13 fields as the plan for “Dad’s Site.” In general, my comments above for “Dad’s Site” are applicable to the manure management plan for the “Home Site.”

Manure application rates will be applied at varying rates in alternating years, except the 153.4-acre field in the NW¼ of Section 1 of Lincoln Township will receive manure from both sites in both crop years. The difference of application between the two sites is that manure will be applied on the fields in alternating years from the “Home Site” in those years that manure is *not* applied from “Dad’s Site” for the fields in Section 4, Lime Creek Township; the N½ of the NW¼ of Section 9, Lime Creek Township; and the 39.7 acre field in the S½ of the NE¼ of Section 2, Lincoln Township. Otherwise, all the fields will receive manure from both sites in the same years. .

In summary, my concerns with these manure management plans are the proximity the fields to drainage ways and floodplains, potential impacts on nearby residences and public use areas, and potential damage to gravel roads.

Please contact me if you have questions concerning this report.

Attachments



2020 MMP Short Form for Annual Update

Facility

Dad's Site - C.B. Neel & Sons # 63839
24439 Lark Ave
Manly, IA 50456

Date Due:
04/01/2020

Date Received:
03/17/2020

Date Approved:
03/23/2020

Owner

C.B. Neel & Sons

Contact

Brian Ritland- The 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 :

- 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
Worth

Animal Unit Capacity / Payment Summary

Animal Type	Total AUC	Total Amount
Swine Wean to Finish	996.00	\$149.40

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