

**Concentrated Animal Feeding Operations Check List**  
**To go with the Variance Check List**

**Applicant:** Tim Neugebauer

**Property Owner:** Norman & Lisa Neugebauer

**Site Plan Showing Required Setbacks:** 2-15-19

**Operation Type:** 2,400 Finish Barn over 55 lbs. equates to a 960 Animal Unit Operation.

**Operation Ownership/Management:** The building will be owned by Tim Neugebauer.

**Labor Considerations:** The construction will be completed by Ethan Lumber and is expected to take 5 months to complete. Once the building is constructed, Tim will complete the chores.

**Building Type:** Curtain barn with curtains on the north and south sides. The concrete pit is 8" thick, with 10' walls, and a 5" thick floor.

**Current Operation Status:** Currently have two existing 2400 head facilities.

**Manure Application Information:**

**Manure Management Plan:** Centrol Crop Consulting is preparing the Plan. Once completed it will be submitted to DENR and Planning & Zoning.

**Location:** Manure will be placed on the parcels identified in the Manure Management Plan. Once completed it will be submitted to DENR for approval. Manure will be applied on a rotation of every other year per field.

**Manure Application:**  **Injected**    **Surface Applied**    **Tanker**    **Drag Line**

**Manure Applied by:**  **Self**    **Contractor:**

**Time required to apply manure:** 2-3 days, with anticipated Fall application.

**Gallons of manure generated per year:** approximately 745,000 Gallons

**Gallons of manure held in pit:**

**Value of manure generated per year:** \$25,000-\$30,000

**Value of commercial fertilizer per year to cover same area:**

**Cost savings per year:**

**Road Information:**

**Access to Roads:** On township road 267<sup>th</sup> St.

**Driveway Required:** Will be gravel driveway with sufficient room for truck access and turnaround

**Road Type:**  **County**    **Township**    **State**

**Road Agreement Information:** A Road Agreement will be completed and signed by township.

**Construction Haul Roads:** Hwy 37 to county line (268<sup>th</sup> St) west to 406<sup>th</sup> Ave, north to 267<sup>th</sup> St. This is the route he would tell the trucks to use but he can't control them.

**Construction Timeline:** Mid to end of April and will take 5 months to build. It will depend on the weather and what other projects Ethan Lumber is doing, he might get moved up or pushed back depending on spring storms and people being ready at the other locations of projects.

**Feed Haul Roads:** Feed trucks will use Dimock Oil to 406<sup>th</sup> Ave and 267<sup>th</sup> St. Delivery will be once per week, building up to twice per week. Feed trucks will adhere to all posted weight limits. This is the route he would tell the trucks to use but he can't control them.

**Animal Haul Roads:** Animal haul roads used will be County road 267th Street and County road 406 Ave. Animals will be removed approximately every 5 months, taking approximately 14 trucks to remove the animals. 2 trucks will then deliver the new animals. Animal haul trucks will adhere to all posted weight limits. This is the route he would tell the trucks to use but he can't control them.

**Electrical Supply Installed:** Electrical Supply is not able to be installed until a 911 Address is assigned.

**911 Address:** Will be assigned by Planning & Zoning at the time the Building Permit is issued.

**Mortality Plan:** We will have an On-site compost facility for all deceased animals.

**Water Concerns:**

**Storm Water Permit:** NA

**Water Runoff Concerns:** The elevation of the land is fairly flat with a small drainage system to the southwest for all storm water, which will eventually end up in Twelve Mile Creek. Since the manure is in a pit, there is minimal concern for manure contamination. There are two nearby observation wells (DN-69C and DN-78D).

**Livestock Water Supply:**  Rural Water Approved  Well Permit

**Water Plan:** A well will be dug for the primary source of water. The well depth is approximately 100 feet. The average finish swine over 55 pounds will consume an average of 1.25 gallons of water per day. Approximately 3,000 gallons of water per day removed from the aquifer.

**Aquifer Name:** Niobrara

1. **Depth below Surface:** 54'-116'

2. **Approximate Thickness:** 62'

**Distance to Rivers/Creeks:** 925'

**Distance Concerns:**

**Distance to Close Residences:** 1,730'

NAME	ADDRESS
1. LuVern & Elaine Neugebauer	40620 267 <sup>th</sup> St, Ethan, SD 57334-1,730'
2. William & Dorthy Muntefering	40621 267 <sup>th</sup> St, Ethan, SD 57334-2,015'
3. Darrell Hohn	26719 407 <sup>th</sup> Ave, Ethan, SD 57334-2,070'
4. Gary Trabing	16 N Harmon Dr, Mitchell, SD 57301-2,850'
5. James Lyall & Dixie Nolz	26639 407 <sup>th</sup> Ave, Ethan, SD 57334-3,190'
6. Kevin & Jennifer Fergen	26780 407 <sup>th</sup> Ave, Dimock, SD 57331-4,900'
7. Corey & Mary Beyer	26605 406 <sup>th</sup> Ave, Ethan, SD 57334-5,500'
8. Marty Neugebauer	40679 68 <sup>th</sup> ST, Dimock, SD 57331-5,530'
9. Florence Erpenbach Living Trust	40577 266 <sup>th</sup> ST, Ethan, SD 57334-6,160'
10. Ila Mae Rumbolz	515 E 3 <sup>rd</sup> Ave, Mitchell, SD 57301-6,260'

**Distance to surrounding CAFOs:** Tim Neugebauer 1.5 miles SE, Rob Maeschen (cattle) 1.5 miles NE, Jared Storm 1.63 miles NW.

**Reclamation Plan:** The life expectancy of the barn depends on the maintenance completed. Upon closure of the operation, the structure will be removed, the hole filled in, and the topsoil returned to the current condition.

**Planning Commission Date/Time:** 3-5-19 @ 1:15 PM

**Board of Adjustment Date/Time:** 3-12-19 @ 9:15 AM