

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

Applicant: Klock, Jarod

Application Date:

Property Owner: Frances Gerlach Life Estate

Parcel Number: 05000-10261-314-00

Site Plan Showing Required Setbacks:

Site Topography:

Operation Type: 2,400 Finish Barn over 55 lbs. equates to a 960 Animal Unit Operation. This barn will cost approximately \$380,000 factored and less the ag exemption would leave 3242.98 in tax dollars split up 1263.89 to county, township 34.74, Fire 124.57, school 1800.69 and 19.09 to JR.

Operation Ownership/Management: The building will be owned by Jarod Klock. The animals will be owned by Nathan Kleinsasser ProPork LLC 15442 343rd Ave Faulkton SD, managed by Pipestone, and fed by Parkston Feed and Grain. 12 year contract. The property will be maintained by Jarod Klock.

Labor Considerations: The construction will be completed by Ethan Lumber and is expected to take 5 months to complete. Spring to early summer would be start date depending on weather and construction schedule of other projects.

Building Type: Tunnel barn with curtains on the west side and fans on the east side. The concrete pit is 8" thick, with 10' walls, and a 5" thick floor.

Current Operation Status: We currently have an existing 2400 head facility constructed in 2004 that is located on brother in laws farm.

Manure Application Information:

Manure Management Plan: NRCS 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. It has been completed and is at DENR waiting 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: X Gallons

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

Value of commercial fertilizer per year to cover same area: \$

Cost savings per year: \$X

Road Information:

Access to Roads: On county road 401st Ave

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 HWY Superintendent Weinberg.

Construction Haul Roads: County road 265th Street and County road 401 Ave

Construction Timeline: Construction is expected to begin in October and completed approximately in February. This should result in minimal damage to any roads. All road damage will be repaired to the original state.

Feed Haul Roads: Feed trucks will use County road 265th Street and County road 401 Ave. Delivery will be once per week, building up to twice per week. Feed trucks will adhere to all posted weight limits.

Animal Haul Roads: Animal haul roads used will be County road 265th Street and County road 401 Ave. Animals will be removed approximately every 4 months, taking approximately 14 trucks to remove the animals. 5 trucks will then deliver the new animals. Animal haul trucks will adhere to all posted weight limits.

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 north for all storm water, which will eventually end up in Enemy Creek. Since the manure is in a pit, there is minimal concern for manure contamination.

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 200 feet. Rural Water will be a secondary source. 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, Codell, and Dakota

1. **Depth below Surface:** 13', 45'-350', 500'-700'

2. **Approximate Thickness:** 30'-130', 5'-88', 110'-400'

Distance to Rivers/Creeks: 3,070'

Distance Concerns:

Distance to Close Residences: 1,320'

NAME	ADDRESS
1. Gary Klumb-26212	401st Ave, Mt. Vernon, SD 57363-1,320'
2. Elder & Janelle Herman Living Trust-26121	401st Ave, Mt. Vernon, SD 57363-3,700
3. F J & Cloera Roeder-40127	261st St, Mt. Vernon, SD 57363-4,675'
4. Mark & Rebecca Klumb-26296	401st Ave, Mt. Vernon, SD 57363-5,670'
5. Mark & Rebecca Klumb-26296	401st Ave, Mt. Vernon, SD 57363-5,670'
6. Shannon & Michelle Klumb-26219	403rd Ave, Ethan, SD 57334-6,000'
7. Mark & Rebecca Klumb-26296	401st Ave, Mt. Vernon, SD 57363-6,650'

Distance to surrounding CAFOs: Jeff Miiller 2 mile northeast, Jeff Miiller 1.5 miles southwest, Jeff Miiller 1.75 miles west.

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: 4-2-19 @ 7:00 PM

Board of Adjustment Date/Time: 4-9-19 @ 9:15 AM