



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

June 26, 2019

Dr. Barry Kerkaert
Bobcat Farms RE, LLC
P.O. Box 188
Pipestone, MN 56164-0188

Re: Bobcat Farms RE, LLC
As-Built Plans Review

Dear Dr. Kerkaert:

The Department of Environment and Natural Resources received three copies of the as-built plans for your manure management system on June 19, 2019, and additional as-built sheets along with a Notice of Completion were submitted on June 26, 2019. The manure management system is located in the Northeast $\frac{1}{4}$ of Section 6, Township 110 North, Range 47 West in Brookings County, South Dakota.

Your approved manure management system is for a housed lot feeding a maximum of 7,728-head of swine, consisting of 324 swine weighing less than 55 pounds and 7,404 swine weighing 55 pounds or more. Your system consists of a farrowing barn with shallow pull-plug pits, a gestation barn with a deep pit, a GDU barn with a deep pit, gravity piping, and no acres of drainage area. The deep pits meet the requirements of the general permit and have at least 270 days of liquid storage capacity.

On June 14, 2019, a Certificate of Compliance for a housed lot feeding a maximum of 1,620-head of swine weighing 55 pounds or more, 324-head of swine weighing less than 55 pounds and no acres of drainage area was issued for the GDU barn.

The submitted Notice of Completion indicates the farrowing and gestation barns are complete.

The department approved the original plans and specifications for your project on August 28, 2018, and as-built plans and specifications for your project on June 14, 2019. The as-built changes consist of:

- Four additional drop inlets, associated drain pipes, and rip-rap were added along the northeast sides of the gestation and GDU barns;
- An onsite well was installed with the proper setback from containment structures being maintained;
- The cool cell within the GDU barn was not constructed, thus the GDU barn was 8 feet

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shorter than the approved plans indicated. The total length of the GDU barn is now 189 feet 5 inches. The maximum operating level of the large pit in the GDU barn was increased to 8.455 feet in order to maintain the designed capacity of manure and process wastewater;

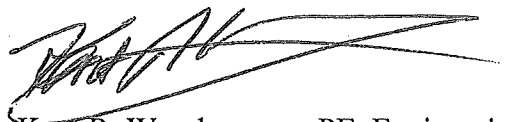
- The cistern sump was constructed as 2 feet wide and 3 feet deep rather than 3 feet wide and 2 feet deep;
- A scale was added to the holding pen area of the loadout between the farrowing and gestation barns. Divider walls with equalization ports were also added to the shallow pull-plug pits beneath the holding pens;
- Round columns were used in place of rectangular columns as supports in the farrowing barn's shallow pull-plug pits;
- The configuration of the floor drains was altered from the original plans. The size and quantity remained the same; and
- The pit buttress walls were reduced to 8 feet tall rather than 10 feet.

We have reviewed and hereby approve the changes shown on the as-built plans. Two copies of the as-built plans are being kept for our files. Please replace the appropriate pages in your plans and specifications booklet with the revised pages enclosed with this letter and add any additional pages enclosed with this letter into your plans and specifications booklet.

You are responsible for contacting the local planning and zoning office in the county where manure application will take place to determine if there are any local ordinances or requirements with which you need to comply. It is up to local government to enforce their local ordinances.

If you have any questions regarding the content of this letter, please feel free to contact Spencer Van Overbeke, Feedlot Permit Program at (605) 773-3351. Thank you for your cooperation.

Sincerely,



Kent R. Woodmansey, PE, Engineering Manager
Feedlot Permit Program
Phone: (605) 773-3351

cc: Brad Woerner, PE, Stockwell Engineers, Inc.
Brookings County Commissioners