



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

November 26, 2019

Kirk Aughenbaugh
Ratio, LLC
43204 U.S. Highway 14
De Smet, SD 57231

RE: Ratio, LLC - State General Permit Application
Plans and Specifications Review

Dear Mr. Aughenbaugh:

The Department of Environment and Natural Resources received three copies of your application for state permit coverage under the 2017 *General Water Pollution Control Permit for Concentrated Animal Feeding Operations* (general permit), **permit application number SDG-100578**. The proposed manure management system will be located in the Northwest $\frac{1}{4}$ of Section 32, Township 111 North, Range 67 West in Hand County, South Dakota.

Your proposed manure management system is for a new housed lot feeding a maximum of 9,060-head of swine consisting of 800-head of swine weighing less than 55 pounds and 8,260-head of swine weighing 55 pounds or more. The proposed manure management system will consist of one gilt developer unit (GDU) barn with a deep pit, one gestation barn with a deep pit, one farrowing barn with shallow pull-plug pits, a gravity transfer pipe between the farrowing barn and the gestation barn, and no acres of drainage area. The designed capacity of the deep pits is for 365 days of liquid storage capacity.

We have reviewed and hereby conditionally approve the plans and specifications for your proposed manure management system. This approval expires on November 26, 2021, unless construction of the manure management system has been started by that date. Once construction has commenced, you will have three years to complete construction and submit a Notice of Completion. If construction is not completed within the three year timeframe this approval will expire. One copy of the approved plans and specifications are being retained for our files and requirements you must implement are listed on the attached pages.

If any deviations are required from the approved plans, as-built plans will be required. A complete set of as-built plans will be required if any major deviations result. If you plan to make any of the following modifications to your approved permit application prior to obtaining permit coverage, you will need to start the permitting process over which will require a new public notice. These