



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

November 6, 2018

Wim Hammink
Hammink Dairy, LLC
19890 470th Avenue
Bruce, SD 57220-5208

Re: Hammink Dairy, LLC South Unit Manure Management System
As-Built Review

Dear Mr. Hammink:

The Department of Environment and Natural Resources received three copies of the revised calculations for an increase in animal numbers to be housed in the new South Unit freestall barn, a final Notice of Completion for the new barn, and the permeability test results for the completed clay liner beneath the floor of the new barn on October 29, 2018. Your operation is currently permitted under the 2017 *General Water Pollution Control Permit for Concentrated Animal Feeding Operations* (general permit) for a maximum of 2,750-head of mature dairy cattle and 350 dairy calves with a total of 3.08 acres of drainage area at the two dairy units. The North Unit is located in the Southeast $\frac{1}{4}$ of Section 15, Township 112 North, Range 50 West and the South Unit system is located in the Southwest $\frac{1}{4}$ of Section 22, Township 112 North, Range 50 West in Brookings County, South Dakota.

North Unit

Your permitted North Unit manure management system is for a housed lot feeding a maximum of 1,300-head of dairy cattle consisting of 950-head of mature dairy cattle and 350 dairy calves. Your system consists of five freestall barns, a calf hut area, a milk parlor, a manure solids separator and concrete manure solids stacking pad, a commodity barn, two bunker silos, diversion dikes or channels, two holding ponds, piping, two lift stations, and 2.3 acres of drainage area. Each barn contains a concrete flush gutter for transferring the manure and wastewater from the barns to the manure solids separator. The designed capacity of the holding pond system is 296 days of liquid storage.

South Unit

Your permitted South Unit manure management system is for a housed lot feeding a maximum of 1,800-head of mature dairy cattle. Your system consists of a flume system in one freestall barn, the north pen area of the second freestall barn, a milk parlor/holding area, piping, diversion

Wim Hammink
Hammink Dairy, LLC
November 6, 2018
Page 2 of 3

dikes or channels, a feed storage area, two concrete manure pits, a solids separator, a clay-lined solids stacking pad, two holding ponds, and 0.78 acres of drainage area. The pond system is designed for at least 270 days of liquid storage capacity.

On August 16, 2012, the department approved plans for an expansion at the South Unit with revised plans approved on July 30, 2018, which includes a freestall barn housing an additional 1,600-head of mature dairy cattle and a third holding pond for a total approved population of 3,950-head of mature dairy cattle and 350 dairy calves at the two units. These approved components have not been permitted except the north pen area of the barn with 400-head of mature dairy cattle which is included in the 1,800-head permitted at the South Unit. With the increase in animal numbers and third holding pond, the pond system will have at least 270 days of liquid storage capacity.

We approved as-built plans and specifications for your South Unit manure management system on August 17, 2018. The current as-built changes to the South Unit consist of the following:

- Revised volume calculations were submitted that indicate the existing South Unit manure management system has at least 270 days of liquid storage capacity for an additional 650-head of mature dairy cattle that will be housed in the new freestall barn. The proposed third holding pond has not been completed so it was not included in the revised calculations. The new maximum animal number at the South Unit will be 2,450-head of mature dairy cattle for a total of 3,400-head of mature dairy cattle and 350 dairy calves at the two units; and
- An updated Notice of Intent form was submitted.

We have reviewed and hereby approve the as-built changes and accept the permeability test results as meeting the requirements of the 2017 general permit. Two copies of the as-built changes and permeability test results 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 cannot use the proposed South Unit holding pond to store manure until a revised Certificate of Compliance and coverage under the 2017 state general permit are issued. Once the Notice of Completion has been received for the proposed pond and a satisfactory construction inspection has been conducted, the department will issue a revised Certificate of Compliance and coverage under the 2017 state general permit.

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.

Wim Hammink
Hammink Dairy, LLC
November 6, 2018
Page 3 of 3

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Kent R. Woodmansey', with a large, sweeping flourish underneath.

Kent R. Woodmansey, PE, Engineering Manager
Feedlot Permit Program

cc: Brian Friedrichsen, PE, DEC, Huron, SD
Luke Muller, F.D.A.L.G., Watertown, SD
Brookings County Commissioners