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Van Deurzen Dairy, LLC Draft Permit to Operate

General overview of the farm

The facility known as Van Deurzen Dairy, LLC is located in Hardin County, Marion Township, at 2500 County Road 110, Alger, Ohio in the Upper Scioto River watershed. The facility is owned and operated by Van Deurzen Dairy, LLC. The dairy has a permitted design capacity of 6,995 mature dairy cows to be housed in five freestall barns, though currently only three and half barns have been constructed with a design capacity of 4,888 head. There are five existing manure storage ponds with a combined capacity of 50.39 million gallons that provide about 300 days' worth of storage. A sand lane system is used to recycle bedding material and a solids separation system is used to further separate the liquid and solid fractions of the manure. The facility has the capacity to store up to 318,000 cubic feet of recycled sand bedding and separated solids material.

Overview of Draft Permit to Operate

Within the draft Permit to Operate (PTO) renewal, a complete manure management plan is provided which outlines inspections and monitoring that must be completed by the facility. At the maximum design capacity, the facility will generate an estimated 61.60 million gallons annually of manure, milking center wash water, and storm water rainfall & runoff. The liquid manure will be distributed to and utilized by area crop farmers on 7,200 acres of available crop land to recycle nutrients as a replacement for imported commercial synthetic fertilizers. The planned crops for these acres include corn silage, corn grain, soybeans, and carrots.

An Insect and Rodent Control Plan is included to minimize the presence and negative effects of insects and rodents.

A Mortality Management Plan is required for proper disposal of dead livestock. Approved methods of disposal are burying, landfilling, burning, rendering and composting. Van Deurzen Dairy, LLC plans to continue utilizing composting as the primary method to manage mortality losses.

An Emergency Response Plan is required to ensure accidents or emergencies are handled quickly and efficiently to maintain the safety of the environment, wildlife and water supplies.

Finally, an Operating Record is included that provides all forms and information that must be maintained by the facility to show compliance with ODA's rules and the permit. These records include inspection of the manure storage structures, manure characterization, insect and rodent control, distribution and utilization of manure, and mortality management. The facility and these records are inspected by the Ohio Department of Agriculture to ensure compliance.

