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ST-The Ohio Heifer Center **Draft Permit to Install and Permit to Operate**

General overview of the farm

ST-The Ohio Heifer Center is an existing facility located at 11000-A Huntington Road in South Charleston, Ohio which is in Madison Township, Clark County, situated in the Little Miami River Watershed. The facility is owned by Inguran, LLC and the operator at the site is Paul Detwiler. The facility is currently operating under a previously issued Permit to Operate (PTO) that allowed the facility to have a design capacity up to 9,800 head of cattle. Since new ownership in 2010, the facility has changed the production focus at the facility and has been under continuous renovations of the existing structures. The facility currently houses 4,300 head of heifers, 450 bulls, 560 calves and 64 mature dairy cows. Existing manure storage consists of bedded packs in the existing housing barns, a manure storage barn capable of storing approximately 998,000 cubic feet of solid manure, mortality compost bins with 21,600 cubic feet of storage and a contaminated stormwater pond capable of storing over 1.0 million gallons of runoff from the feed storage area.

Overview of Draft Permit to Install

The draft Permit to Install (PTI) proposes to allow the facility to continue to renovate the facility, which would include adding 2,300 heifers, 1400 mature dairy cows and 450 bulls. Some of the existing barns would be renovated or demolished to allow for future construction within the same general footprint of the existing barns and another barn would be constructed between two existing buildings. A calf barn is proposed to account for reduced stocking densities of the existing calf barns. All the proposed housing barns will be penpack barns with solid manure, with some vacuumed liquid manure generated within the feeding alleys. In addition, the proposed dairy operation will generate liquid manure from the robotic dairy system, which will require additional liquid storage at the facility. Therefore, the draft PTI proposes a 17.0 million gallon manure storage pond to store separated liquid manure, parlor washwater and any excess stormwater from the feed storage area. In combination with the existing liquid manure storage pond, the facility is projected to have over 2 years' worth of manure storage. Other than the penpack barns that are proposed, all the solid manure storage is constructed and should provide over 1 years' worth of manure storage. The facility currently has a manure drying system that allows a large percentage of the solid manure to be dried and reused as bedding material for the housing barns and this will continue to operate and provide a reduction in the overall solid manure to be stored.

Overview of Draft Permit to Operate

Within the draft Permit to Operate (PTO), a complete manure management plan is provided, which outlines inspections and monitoring that must be completed by the facility. The estimated annual liquid manure production (including contaminated stormwater) is 10.1 million gallons, which will be applied under the control of the facility. At the facility, approximately 60 acres are available between and around the existing barns where grass hay has continuously been





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harvested. In addition, another surrounding 1,450 acres are available for liquid manure application from cooperating crop farmers that will grow forages for the facility. Approximately 1,000 acres will be corn silage, double cropped with triticale that will be harvested as silage. The remaining 450 acres would be in a corn-soybean rotation each year. All of the solid manure that would not be dried and reused as bedding material will continue to be distributed to crop farmers that utilize the nutrients as replacement for synthetic fertilizers.

An Insect and Rodent Control Plan is included to minimize the presence and negative effects of insects and rodents. The facility performs inspections throughout the facility for flies and rodents. These inspection results are used to determine if the facility is required to perform treatment for insect or rodents based on the criteria set forth in the plan.

A Mortality Management Plan is required for disposal of dead livestock. Approved methods of disposal are burying, landfilling, burning, rendering and composting. ST-The Ohio Heifer Center will continue to use composting as their method of mortality disposal.

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. In case of an emergency or accident, the names and phone numbers of contact personnel and equipment are listed.

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, land application, 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.

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