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## **Ed Bowman Swine Farm** **Draft Permit to Install and Draft Permit to Operate**

### ***General overview of the farm***

Ed Bowman Swine Farm is an existing swine facility located at 3276 Orphans Road, Eldorado, Ohio 45321. The facility is situated in Preble County, Washington Township in the Lower Great Miami Watershed, and is owned and operated by Edwin and Sharon Bowman. The facility consists of three existing finisher barns, two with a design capacity of 1,080 head each and one with a design capacity of 2,160 head of swine weighing more than 55 pounds. The liquid manure is stored in existing deep pits below the animal housing area, which provides a combined capacity of approximately 1.7 million gallons, or 327 days of storage.

### ***General overview of the draft Permit to Install***

The draft Permit to Install (PTI) proposes to construct two new finisher barns to house an additional 4,880 head of swine weighing more than 55 pounds, increasing the facility's total design capacity to 9,200 head. The draft PTI includes the construction of two deep pit manure storage structure below the new housing barn. The concrete pit would be capable of storing 2 million gallons of swine manure from the new housing barn, which would provide 354 days of storage.

### ***General overview of the draft Permit to Operate***

Within the draft Permit to Operate (PTO), a manure management plan is provided which outlines different inspections and monitoring activities that must be completed. Approximately 4.02 million gallons of liquid manure will be land applied annually. All of the liquid manure volume would be land applied on approximately 1,072 acres that are controlled by the facility. The manure will replace the need for some commercial synthetic fertilizer on a typical corn and soybean rotation.

A detailed Insect and Rodent Control Plan is required to minimize the presence and negative effects of insects and rodents. The plan details which types of pests could potentially cause problems and how the facility will prevent those problems from occurring. The plan explains what preventative measures and treatments are available and how and when they might be employed. Details regarding the Insect and Rodent Control Plan can be found in the draft PTO.

A Mortality Management Plan is required for the disposal of dead livestock. Approved methods of disposal are burying, landfilling, burning, rendering and composting. Ed Bowman Swine Farm plans to continue to use burning as their method of mortality disposal.

An Emergency Response Plan is required to ensure that emergencies are handled quickly and efficiently to maintain the safety of the environment, wildlife and water supplies and resources. The plan also identifies procedures to be followed during an emergency, such as a spill or discharge, as well as contact information for those who would need to be notified in the event of an emergency.

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 document inspection of the manure storage structures, groundwater sampling, manure characterization, land application, insect and rodent control, distribution and utilization of manure, and mortality management. The facility and its records are regularly inspected by the ODA to ensure compliance.