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## Sun Mountain Dairy Draft Permit to Install and Permit to Operate

### *General overview of the farm*

Sun Mountain Dairy is an existing dairy farm located at 18377 County Road B, New Bavaria, Ohio. It is situated in Henry County, Pleasant Township in the Auglaize River watershed, and it is owned and operated by Sun Mountain Dairy, LLC. The dairy currently has the capacity to house 1,400 dairy cows in three freestall barns.

The facility currently has three liquid manure storage ponds with a combined storage capacity of 15,529,241 gallons. A fourth pond provides dedicated storage for storm water runoff and silage leachate and has the capacity to store 2,671,771 gallons of contaminated storm water. A sand recycling lane is used to recycle bedding material, and a three stage system of settling basins provides some additional solids separation. In addition, the facility currently has more than 100,000 cubic feet of available storage area for separated manure solids, recycled sand, and mortality compost material.

### *Overview of Draft Permit to Install*

The draft Permit to Install (PTI) proposes to construct a new manure storage pond, to be called Pond #4, which would have a storage capacity of 12,711,075 gallons and provide 331 days of storage. The PTI also proposes to slightly raise the embankments of the three existing manure storage ponds to increase the total combined storage capacity by 5,124,530 gallons. In addition, the PTI proposes to expand the footprint of the existing silage bunker area. The maximum operating level in the existing Leachate Pond would slightly change due to revisions in storm water calculations. All combined, the proposed expansion would result in a total manure storage capacity of 33,692,946 gallons of manure storage and 1,844,109 gallons of storage for collected storm water and silage leachate. This expanded total combined storage capacity would allow for about 878 days' worth of liquid manure storage and 292 days' worth of silage leachate and collected storm water storage after the proposed expansion.

### *Overview of Draft Modified Permit to Operate*

The draft Modified Permit to Operate (PTO) proposes to add the new Manure Storage Pond #4 to the Manure Management Plan and revise the total storage volume of the Leachate Pond and Manure Storage Ponds #1, 2, and 3. Otherwise, the Manure Management Plan would remain unchanged from the current PTO, which was issued on March 6, 2013. The draft Modified Permit to Operate would also add the new Manure Storage Pond #4 to the Emergency Response Plan map.

The Insect and Rodent Control Plan and the Mortality Management Plan would both remain unchanged from the current PTO. ---End---

