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## Lancaster General Store - Ohio

Where there is development, there is the opportunity for the use of new technology. This is the case in the small, central Ohio town of Lancaster. The rural area needed a new convenience store to help sustain growth, and in order to be built, the owners needed a method to handle wastewater.

The estimated daily water usage flow for the facility was 4,100 gallons per day. The contractor chose to use a Quanics AeroCell® Advanced Treatment Unit with a capacity of 5,000 gpd. The system consists of two 5,000-gallon settling tanks that time dose to a Quanics AeroCell® Treatment Unit. The next element is a 4" recirculation device that splits treated water 80/20. The 20% portion flows into a 3000-gallon dispersal tank which feeds the dispersal trenches. The 80% recirculation line sends the flow back to the treatment tanks for extra filtration which also further reduces nitrogen.

The Lancaster Convenient Store is a one-stop shop that offers fuel, a variety of groceries and everyday needs, including on-the-go breakfasts and lunches.

