

# Orthland Dairy Farm

## Project Information:

Client Name: The Orth Family

Project Location: Cleveland, Wisconsin

Orthland Dairy is a growing family farm near Cleveland, Wisconsin. The Orth family hired Miller Engineers & Scientists to prepare the engineering portion of their Comprehensive Nutrient Management Plan (CNMP), which was used to assist in planning the expansion of their operation to 600 milking cows.

Miller created a site grading plan to support this site expansion, worked closely with NRCS and Foxland for design of the manure transfer and storage systems. As a part of the planning and design process, our project team provided permitting assistance, including a completion of a Livestock Siting License Application and Waste Storage Permit Application.

During construction, our technical staff provided observation and testing services as a quality assurance measure for Orthland Dairy. These services included observation of concrete placement for the transfer system as well as clay liner placement for the manure storage lagoon. We also performed field density testing for fill placement, and provided construction staking.



## Project Highlights:

- Comprehensive Nutrient Management Planning (CNMP)
- Permitting Assistance
- Site Design
- Expansion Concept Planning
- Preparation of Record Drawings
- Quality Assurance Observation and Testing

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