

We were happy to assist one of the last remaining dairy farms in the Middletown area with a barnyard runoff control. This 150 acre dairy farm is located in the Town of Wawayanda in Orange County, NY. It is one of three livestock farm projects made possible by the new AEM Tier 4 Program, described elsewhere in the Completed Projects page of our website. The farm has 60 milk cows and employs pasture as a significant part of their management program. They desired an outdoor feeding/exercise area for the milking herd where they can be managed in an environmentally sound fashion when conditions are not suitable to have the cows out on pasture.

Unlike the two other AEM Tier 4 projects described here, this new barnyard will not include a roof so provisions needed to be provided to collect and treat runoff. A small existing concrete holding pad will be expanded upon to create the paved barnyard. Design features were provided to retain manure on the concrete surface and facilitate its collection and proper handling/use. Liquid runoff will be sent to two vegetative treatment areas.

A six foot elevation difference between the milking barn exit and the new barnyard required the construction of a ramp component to the project.

This project will test the durability of barnyard curbing constructed using doubled 2x12 pressure treated boards. Concrete curbs are more common, and more durable, but also more expensive. We recommend keeping tractor speeds under 60 MPH when cleaning the wood-curb barnyard.



