PROJECT DETAILS

Project Name: Fischer Clark Dairy Farm
Location: Hatley, WI
General Contractor: Thiex Construction
Product Manufacturer: County Materials Corporation
Date: 2019
Key Products: Ready-mix

Ready-mix Concrete Supplied by County Materials Contributes to Healthy Environment on Agricultural Project

Solutions: Concrete storage facilities manage agricultural runoff and prevent water contamination.

Maintaining a dairy farm is a demanding job, so when it comes to choosing construction materials for agricultural applications, only the most durable products will do. Ready-mix concrete is trusted to withstand inclement weather events and tough working environments for up to 100 years, making it a trusted choice amongst Wisconsin farmers.

When this growing local farm updated its operation with new manure pits and storage bays, farm owners specified County Materials' Ready-Mix concrete for its unmatched service life and ability to prevent runoff pollution. An environmentally conscious solution was sought, as the farm was quickly approaching 1,000 livestock and would soon need to operate with a Wisconsin Pollutant Discharge Elimination System (WPDES) permit, mandated by the Wisconsin Department of Natural Resources (Wisconsin DNR). This permit requires agricultural operations with 1,000 livestock or more to accommodate for increased animal waste and feed leachate by installing concrete barriers, protecting nearby waterways from excess nitrogen and phosphorus. While these nutrients are found in healthy ecosystems, in excess amounts, the effects can be devastating to wildlife and human health.

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County Materials' Ready-Mix is approved by the Natural Resources Conservation Service and meets all specifications put forth by Midwest Plan Services and the American Concrete Institute to ensure quality that meets environmental standards. In addition to environmental benefits, ready-mix proves as a worthwhile investment for its inherent strength, bacteria-resistant nature, and minimal maintenance needed to achieve an extended service life.

Once the manure pit was excavated and leveled to slant towards the center, over 750 cubic yards of County Materials' Ready-Mix was poured at an angle to cover the area. A pipe leading silage leachate into the pit was then enclosed in ready-mix to preserve the system. Before the concrete cured, it was heavily brushed to increase both traction and safety. Additional safety measures were taken by pouring several mid-sized concrete barriers to prevent vehicles from getting too close to the pit. Once the manure pit was complete, crews focused their attention on the storage bays, which used over 1,150 cubic yards of ready-mix. Precise coordination between County Materials and the contractor was needed to ensure the ready-mix arrived in a timely manner, optimizing the project schedule.

Ready-mix proved to be an ideal for this agricultural application. By supplying a specific mix that met the unique needs and challenges of this project in a timely manner, County Materials successfully met the one-month project timeline and provided the farm with a lasting solution.

To learn more about using County Materials Ready-Mix for your next project, contact our Dispatch Team at (715) 845-2100.

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