FERTILIZER APPLICATIONS

CASE STUDY:
New Cooperative Inc

Blencoe, Iowa

High Return on Investment

Executive Summary

Since the 1930s, companies and farmers unloaded fertilizer barges at a select location along the Missouri River near Blencoe, IA – though, no barges had visited this spot since the early 2000s. However, in 2019, NEW Cooperative purchased the 34-acre location from a private owner and built a floating dock, capable of hosting six barges. Greenfield Contractors worked diligently with Calhoun engineering experts to customize a fabric fertilizer building, poised to meet the customer's specific needs.

New Cooperative Inc is a member-owned co-op with 36 locations throughout Iowa. They offer quality feed, fertilizer, and crop protection resources. In 2019, the New Cooperative purchased a 34-acre location to store over 20,000 tons of fertilizer.

Project Profile

Size:
170' x 340' VP Series on 20' centres

Site Parameters:
25 psf snow load & 105 mph wind speed

Fabric:
White ELITE non-FR keder panel with green trim

Mount:
23' steel leg

Additional Information:
One end closed; one end with 20' x 20' door opening. Added mesh vents and tripped conveyor

Calhoun's Solution

Given the Missouri River location, protecting assets from harsh weather conditions remained top of mind. As such, a three-foot-tall concrete stem wall was attached to the fabric to safeguard assets from potential flooding. Additionally, to easily transport fertilizer within the building, Calhoun engineers installed a Sackett-Waconia overhead tripper belt conveyor. To further accommodate New Cooperative's needs, Calhoun provided them with a customizable leg height and installed an off-center conveyor to increase usable space.

Scan to learn more about our fertilizer options!

"With lower material costs and a shorter installation time-frame of under six months, this fabric structure ultimately provided us with a higher return on investment."

-Frank Huseman, Operations Manager, New Cooperative Inc

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