



Founded in 1930, the Walbec Group is a vertically integrated family of heavy civil engineering, construction, and material supply companies. Together, we add value to our customer's projects through a variety of turnkey engineering and construction services. Our combined strengths and depth of resources, including over 2,000 skilled professionals based throughout the Midwest, take pride in serving as true partners to our customers and providing cost-effective solutions.

## BEST PRACTICES FOR STORAGE PADS, FEEDLOTS AND BUNKER SILO FLOORS - DESIGN & CONSTRUCTION



### ASPHALT

- Lower upfront costs
- Resistance to acids in silage leachate
- Special edge design, consider concrete apron where feed trucks/wagons are loaded and unloaded most often
- Construct surface a year after binder



### CONCRETE

- Durability
- Higher load carrying capacity
- Can degrade from silage acids
- Epoxy or polyurethane coatings are not effective
- Special attention to joint locations and patterns
- Deteriorated concrete flakes can cause digestion problems



### KEYS TO LONGEVITY

- Manage moisture in subbase
- Well drainage base (<8% passing No. 200 Sieve)
- Density Testing
- Slope to drain (1.5% minimum)
- Overlay concrete with asphalt
- Asphalt crack sealing
- Asphalt rehabilitation and resurfacing
- Leachate collection systems



## AGRICULTURAL FACILITY DESIGN & CONSTRUCTION

- Animal Waste/Industrial Storage
- Above-ground and Underground Storage Tanks
- Asphalt Storage Pads & Bunker Silo
- Cattle Feedlots
- Composting Facilities
- Concrete Silo Foundations & Containment Rings
- Anaerobic Digesters
- Behind the Meter Solar Facilities
- Equipment Installation
- Structural Steel Fabrication & Erection

## ENGINEERING SERVICES

- Site Assessments & Expansion Planning
- Wetland Delineation
- Grading & Drainage Plans
- Land Surveying & Topographic mapping
- Waste Storage & Land Application Planning
- Waste Storage Facility Design
- Leachate & First Flush Detention Basin Design
- Storage Tank Design
- Transfer Piping
- Stormwater Detention & Water Quality Design
- Sediment & Erosion Control Plans
- Feed Storage Areas
- Operation and Maintenance Plans
- Regulatory Compliance
- WDNR Permitting



We also provide high-quality Agricultural Lime Products through our parent company, Waukesha Lime & Stone. The company features two quarries and offers stone, dolomite and limestone (crushed, ground and powdered).

## PROJECT EXPERIENCE



Kinnard Farms Feed Pad



McCulley Dairy Farm



LeClare Family Creamery



Meyers Farm Feed Pad



Wild's Dairy Feed Pad