

PROPOSED BENTONITE PROCESSING FACILITY

Summer 2025

WCC
Western Clay Corp.

WHO WE ARE

Western Clay Corporation (WCC) is a **Canadian company** working to responsibly develop and supply high-quality sodium bentonite. With operations based in Alberta and Saskatchewan, our goal is to reduce Canada's reliance on imported bentonite by building a local and global, reliable, and sustainable source.

OUR COMMITMENTS



Transparent Communication and Engagement

We are committed to working closely with local communities, landowners, and Indigenous Nations. We believe in open communication, early engagement, and ongoing dialogue to ensure our work aligns with local interests and values.



Environmental Stewardship

We are committed to using low-impact methods, modern equipment, and industry best practices to reduce our environmental footprint. Our goal is to operate safely, minimize disturbance, and return the land to a healthy state after use.



Local Contracting and Employment

Wherever possible, we will create opportunities for residents and businesses to benefit from our operations. We believe that local knowledge and skills are essential to our success.



Be a Good Neighbour

We aim to be an active part of the community through participation and support of community initiatives. We believe a thriving community is vital to the long-term growth of our work in the region.

WHAT IS BENTONITE?

Bentonite is a naturally occurring clay with unique properties that make it useful in a wide range of industries. When mixed with water, it swells and forms a thick, sticky barrier—making it ideal for sealing, absorbing, and stabilizing. Common uses include:



**Environment
Engineering**



**Drilling
Operations**



Cat Litter



Agriculture



PROJECT OVERVIEW

WCC proposes to build a sodium bentonite processing facility located within the Village of Rosalind. This facility will serve as a central location to receive, dry, crush, mill, and package bentonite sourced from local extraction sites.

The Rosalind site was selected because it is already zoned for industrial use and has a history of clay and bentonite processing. Our proposed operations will utilize modern, mobile equipment and will not require water or chemical additives, thereby reducing environmental impacts. The entire process is designed to be efficient, low-emission, and waste-free.

The first phase of the project is a small-scale operation that will help us test the equipment and processing methods using existing stockpiled bentonite on site. The data collected during this phase will support a future application to expand into a full-scale, permanent facility.

WCC sees this project as the foundation for a long-term local industry that creates jobs, strengthens the local economy, and reduces Canada's reliance on imported bentonite.

ENVIRONMENT & SAFETY

WCC is committed to protecting the environment and operating safely.

Our process utilizes no water or chemicals and generates no waste, thereby minimizing its impact on land and air. We follow all provincial regulations and apply best practices to manage air quality, dust, and noise. Safety measures and emergency protocols will be in place, and we will keep the community informed and involved every step of the way.

As part of the regulatory process, the following studies and management plans are currently being completed to inform project design and outcomes:

- Topography and Drainage
- Air/Dust Management Plan
- Noise Management Plan
- Geology and Hydrology
- Baseline Environmental Site Assessment
- Groundwater
- Surface Water
- Soil Assessment
- Traffic Management

BENTONITE PROCESSING LIFECYCLE

1 SURFACE MINING
Bentonite is mined from shallow surface deposits and transported to the Rosalind processing facility.



2 DRYING
The drying process removes moisture from the clay using a combination of natural sun and wind drying, along with a low-emission gas-fired dryer.



3 CRUSHING & SCREENING
The dried clay is crushed and milled to meet the size and consistency requirements of different end uses.



4 PACKAGING
The finished bentonite is packaged for transport to industrial customers.



5 SHIPPING
Packaged products are distributed using existing rail infrastructure and approved travel routes.



MINIMIZING OUR IMPACT

No Water Use

No water is used during processing. While a small amount of water vapour is released during drying, no water is added at any stage in the lifecycle.

No Chemicals

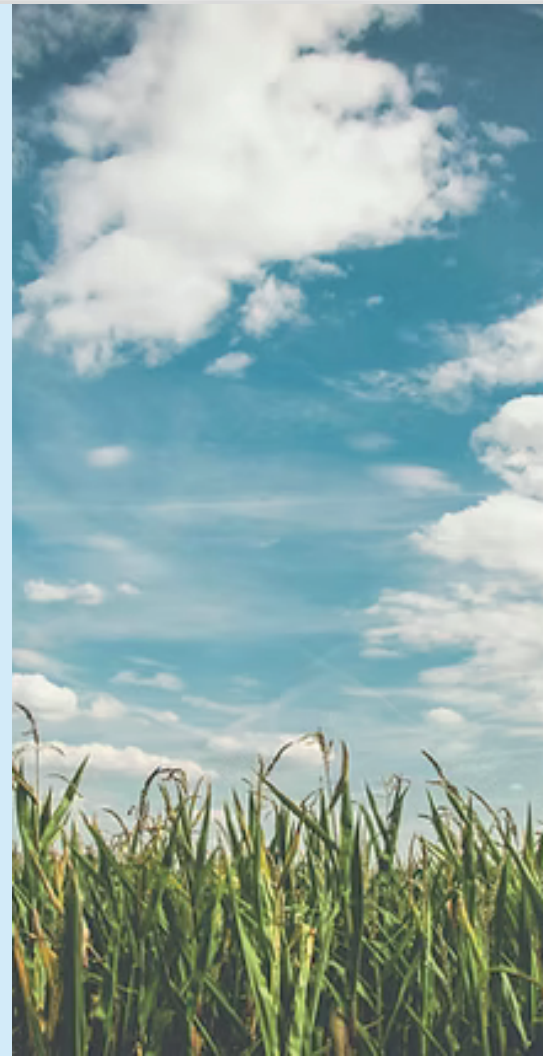
We're proud to say that our finished bentonite products are 100% natural and additive-free — no chemicals, no treatments.

Dust Control

Dust generated during processing is captured and reused as part of the final product. We aim for full utilization of all received bentonite, with dust and fines recaptured wherever possible.

Traffic and Transportation

Bentonite will be transported from extraction sites to the facility primarily through the winter months to reduce dust on gravel roads and minimize disruption to nearby residents. For shipping finished products, we plan to use existing rail infrastructure where possible to reduce reliance on trucks and lower our impact on local roads.



COMMUNITY INVESTMENT

WCC believes that strong communities are key to long-term success—for both our company and the regions where we operate. Our long-term community investment strategy is built around shared values and local priorities. We are committed to supporting:



COMMUNITY WELL-BEING

- Recreation and wellness programs
- Community gatherings and events to strengthen social connection



YOUTH

- We are exploring opportunities to support local youth through future programs such as sports, educational events, scholarships, bursaries, or trades training partnerships.



SAFETY AND PREPAREDNESS

- Emergency response training
- Programs to promote community safety for first aid, wildfires, as examples

ENGAGEMENT OPPORTUNITIES

Strong relationships start with open and respectful communication. We are committed to engaging early and often with community members, landowners, and Indigenous communities throughout the development of the proposed processing facility and the future expansion phases of our operations.

Community
Open House

Leadership
Meetings

One-on-One
Meetings

Phone and
Email Access

Ongoing
Updates

CONTACT



WCC-Engagement@cmrconsulting.ca



+1 (855) 225-3377 (toll-free)



www.westernclaycorp.com