

The Progress Continues

The FRG has made significant progress in 2024 and has identified best practices to move the wet cake off-site in the safest and most efficient way

2023 – 2024 ACHIEVEMENTS:

Wet cake removal

- ✓ The FRG completed the pilot project in Spring 2024, providing data and solutions to safely remove the wet cake and immediately continued wet cake removal after the pilot project's conclusion
- ✓ A significant amount of wet cake has been safely removed and transported to Pheasant Point Landfill in Bennington, Neb.

45,000
tons of wet cake were solidified and safely disposed in 2024

55,200
tons of total wet cake removed from the site in 2,540 truckloads*

MORE THAN **50%**
of the wet cake will be solidified by the end of 2024

- ✓ The FRG has taken important steps to safely remove wet cake in a manner that doesn't impact the community

Lagoons

- ✓ In Summer 2024, NE and NW Lagoon solids were consolidated and accessible liner was removed and transported to Pheasant Point Landfill for disposal
- ✓ Also in Summer 2024, solids from the SE Lagoon were dredged to reduce potential impacts of solids on the water treatment system
 - Solids were pumped into Geotubes in the NE Lagoon where water will be able to drain over time
 - Water from the Geotubes will be contained and treated

Water treatment

Lagoon water treatment has been completed and land application of treated lagoon water will be completed in Nov. 2024

MORE THAN **107** MILLION GALLONS
of water treated on site

61 MILLION GALLONS
land applied through spring 2024

38 MILLION GALLONS
currently being applied to local land this fall

- Stormwater from the Wet Cake Area and lagoons will continue to be contained and treated until remediation of these features has been completed

Starting conditions



February 2021

Current conditions



October 2024

For more information, please visit alteninfo.com





2025 Plans

The FRG is planning additional remediation steps in 2025, including:

Wet cake removal

The FRG anticipates all wet cake will be removed from the former AltEn site by the end of 2025

As the mixing and solidification process takes place, this equates to

70k of wet cake
TONS remains on site

84k of solidified wet
TONS cake to be removed

Additional site activities

While the wet cake solidification and transportation will pause during the Winter months due to the cold temperatures, the FRG will remain actively engaged in the following areas:

- ✓ Regular on-site groundwater testing to confirm public safety
Note: Area groundwater continues to be safe based on most recent data
- ✓ Collecting and analyzing additional soil samples from under the NW Lagoon where the solids have been consolidated and accessible liner removed
- ✓ Containing contact stormwater from the Wet Cake Area and lagoons for future treatment

Key Dates

The FRG is working to deliver the following in 2024–2025 to the Nebraska Department of Environment and Energy (NDEE):

- Groundwater Data Gap Work Plan: Dec. 31, 2024
- Stormwater Management Plan: Dec. 31, 2024
- Lagoon Solids Remedial Action Plan (RAP): June 30, 2025



For more information, please visit alteninfo.com

Wet Cake RAP Overview

The FRG submitted the Wet Cake Remedial Action Plan (RAP) for the Nebraska Department of Energy and Environment (NDEE) in August 2024, which includes:

- Solidifying the wet cake on-site so it can be safely loaded into trucks, transported off-site, and disposed of in a landfill
- Transporting the solidified wet cake to - and disposing of it in - a landfill permitted to receive this material by the NDEE
- Implementation of environmental protection measures, including stormwater management, dust control, odor control, air quality monitoring, truck lining, truck tire washing, truck inspections and road cleaning

Wet cake removal is expected to be completed in 2025



Wet cake solidification and transportation

- The FRG has removed more than 55,200 tons of solidified wet cake from the AltEn site
- This process consists of wet cake solidification on-site, which involves mixing raw wet cake with a solidification reagent that enables it to be safely transported to and disposed of at a landfill
- Each new truck is lined with plastic, loaded with solidified wet cake, and is wrapped with plastic for safe transportation to the landfill

Odor and dust mitigation

- Additional steps we take to manage odor and dust include:
- Access roads, wet cake piles and stockpiles are sprayed with water to control visible dust, as necessary
- Exposed wet cake and solidified material stockpiles are covered with Posi-Shell at the end of each day, which is a coating of inert materials that controls dust and odors



Air monitoring

- Air monitoring units have been set up around the work zone to continuously monitor air quality along the site perimeter

Stormwater management

- The work area is surrounded by a berm to contain stormwater - the stormwater that accumulates in the work area is collected for treatment

Maintaining clean roads

- Truck tires are washed prior to exiting the site using a pressure washer
- County Road 10 is cleaned to remove soil and debris if present



For more information,
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