

AltEn | Update

May 23, 2023



TODAY WE WILL COVER...

- Background
- Progress to Date
- Active Environmental Monitoring
- Solid Waste Disposal Plan
- Refuse Materials
- More Information and Updates



- The AltEn Facility Response Group (FRG) includes six former AltEn customers that formerly supplied corn seed to AltEn:
 - AgReliant, Bayer, Beck's, Corteva Agriscience, Syngenta and WinField United.
- AltEn failed to fulfill its obligations to each FRG company and abandoned its Mead ethanol production facility in 2021.
- Since then, the FRG has been voluntarily working under the direction of the Nebraska Department of Environment and Energy (NDEE) and through Nebraska's Voluntary Cleanup Program (VAP).



- Developed a Remedial Action Plan (RAP) for the water held on site, including water treatment and land application of the treated water to local farms, which NDEE approved and we are implementing.
 - Treated more than 49.4 million gallons of lagoon water at the water treatment facility we built on the AltEn site.
 - 30.8 million gallons of which have been land-applied to local farms as a beneficial nutrient source through Spring 2023.
 - To date, there has been no evidence of impacts to local drinking water.





Solids stored on site

- Consolidated wet cake, covered with Posi-Shell.
- Prioritized capturing any water seepage from the consolidated, covered wet cake pile, and installed a perimeter drainage system to direct seepage for collection and treatment at the on-site water treatment system.
 - System reduces the potential of this moisture to move into the ground
 - Posi-Shell layer has been used for similar remedial projects over the last 15 years and has been proven effective for these purposes.
 - The coating is safe for both the surrounding community and the environment.





Controls in Place

- The FRG and NDEE have been monitoring groundwater and has not detected anything off-site above NDEE's health-based standards.
- The site geology, specifically a 15- to 20-foot-thick clay soil layer, has worked to reduce vertical migration of wet cake seepage or untreated lagoon water.
- We continue managing stormwater and implementing best management practices.



May-July 2023: Non-hazardous materials (not wet cake) transportation and disposal

- Removing debris (e.g., trash, wooden pallets, empty containers), unused materials and biochar.
- Key dates: WM will mobilize to the AltEn site on **Wednesday, May 24**, and commence transporting materials off-site on **Thursday, May 25**.
- Average of 18-20 truckloads per day, Monday through Friday – with potential to peak at 25 trucks a day – for the next five to six weeks.





Soil & Debris



Off-spec Beverage Containers



Unused Starch



Biochar





- For up-to-date information about progress at the AltEn site, visit alteninfo.com.
- Handouts available today will be available at area locations and on the website.

FRG

Remedial Action Plans ▾

Updates

Events

About

AltEn Facility Remediation Response

Updates from the AltEn Facility Response Group (FRG) on remediation efforts at AltEn's vacated ethanol production facility



Discussion & Questions