

Facility: AltEn
IIS: 84069
PCS: NE0137634

Jason Windhorst
4-16-2021

Site Visit Check list

Weather conditions: Sunny
Temperature: 48 F
Wind: Average 15 mph w/ gusts 25 mph
Precipitation: 0.0"

A. Berms (the numbers below match the attached map) Circling yes indicates the area was inspected.

- | | | |
|--|--------------------------------------|--|
| 1. Northeast side of the administration building | <input checked="" type="radio"/> Yes | No (<input checked="" type="radio"/> pumped / not pumped) |
| 2. Southwest side of the south lagoon | <input checked="" type="radio"/> Yes | No (pumped / <input checked="" type="radio"/> not pumped) |
| 3. West side of the northwest lagoon | <input checked="" type="radio"/> Yes | No (pumped / <input checked="" type="radio"/> not pumped) |
| 4. North side of the north wet cake pile | <input checked="" type="radio"/> Yes | No - no accumulation of runoff |
| 5. County Road 10 (Hoop building). | <input checked="" type="radio"/> Yes | No (pumped / <input checked="" type="radio"/> not pumped) |
| 6. East wet cake pile | <input checked="" type="radio"/> Yes | No (pumped / <input checked="" type="radio"/> not pumped) |

Comments:

- Biochar bags have been removed from the ground around the Biochar unit but were observed still on the flatbed truck east of the hoop buildings.
- The tractor used for pumping being serviced offsite and is unknown when this will be completed. The pumping of runoff in area 6 is dependent upon the repair of this tractor to power the PTO for the vacuum pump liquid manure spreader.

B. Lagoons

- Northeast lagoon
 - No change in liner condition observed.
- Northwest lagoon
 - No change in liner condition observed.
- South lagoon
 - No change in liner condition observed.



202101411845

AltEn LLC - Storm Water Temporary BMP Check Map



Temporary
Berm

AltEn East SW Flowline

SWOP

Address: 11344 County Road 10, Mead NE
NDEQ ID: 84069
Program ID: NE0137634

500 250 0 500 1,000 1,500 2,000
Feet



Photos: 1

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Culverts at CR 9 & J

Direction Facing: East

Description: Culverts still partially plugged and water beginning to clear up with the addition of algae.



Photos: 2

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 1 on the site map

Direction Facing: Southwest

Description: An additional berm was added to divert runoff from the parking lot to separate from wetcake area runoff.



Photos: 3

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 2 on the site map.

Direction Facing: East

Description: Berm is holding and was pumped down earlier this week.



Photos: 4

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Southeast of the hoop buildings.

Direction Facing: Northwest

Description: Flatbed truck with 20 bags of Biochar waiting to be unloaded.

NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY



Photos: 5

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 5 on site map

Direction Facing: West

Description: Berm continues to hold and majority of runoff drains to the east.



Photos: 6

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 5 on the site map.

Direction Facing: East

Description: The trench excavated to drain area 5 to area 2.



Photos: 7

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 5 on the site map.

Direction Facing: North

Description: Wetcake runoff retained behind berm at area 5.



Photos: 8

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 3 on the site map.

Direction Facing: West

Description: Berms are holding and do not show any signs of seepage.



Photos: 9

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 6 on the site map.

Direction Facing: Southeast

Description: Seepage has slowed down on the north side of the east berm.



Photos: 10

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Same as photo 9

Direction Facing: west

Description: North side of east wetcake area.



Photos: 11

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Area 6 on the site map.

Direction Facing: South

Description: Center section of the east berm continues to seep and collect past the berm. AltEn will remove the seepage material this weekend or early next week.



Photos: 12

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Northeast corner of the southeast lagoon.

Direction Facing: South

Description: Lagoon has black solids collecting on all the edges of the lagoon.



Photos: 13

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: West of the southeast corner of the northeast lagoon.

Direction Facing: West

Description: Green sludge beginning to surface and collect in areas that have excessive tears/rips.



Photos: 14

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Northwest corner of the southeast lagoon.

Direction Facing: Southwest

Description: Area draining to area two beginning to dry out.



Photos: 15

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Southeast corner of the northwest lagoon

Direction Facing: West

Description: Sludge collecting along the lagoon edges and water line showing lagoon level dropping.



Photos: 16

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: East edge of the northwest lagoon.

Direction Facing: North

Description: Thick bright green sludge surfacing around the east whale. Sludge lines on the whale indicate there may be movement of the whale toward the east edge of the lagoon.



Photos: 17

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Northeast corner of the northwest lagoon

Direction Facing: Southwest

Description: First whale present in the lagoon on the right of the photo and hoop barns in the background.



Photos: 18

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Northwest corner of the northeast lagoon.

Direction Facing: Southeast

Description: Equalization pipe showing flow from west to east.



Photos: 19

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: East Poseidon Tank

Direction Facing: Southeast

Description: Tank has piping to the tank but has not been plumbed for discharge piping currently.



Photos: 20
Site Visit Report
Date Taken: 4-16-2021
Photographer: Jason Windhorst
Facility Name/ Project Name: AltEn LLC
Facility IIS number / Project identifier: IIS: 84069 / NE0137634
Location: Center Poseidon tank.
Direction Facing: Southwest
Description: Tank has been plumbed for inflow and outflow.



Photos: 21

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: South side of Biochar.

Direction Facing: West

Description: Debris/Biochar material covering the ground with west Poseidon in the background. All bags of Biochar have been removed, but material from bagging operation continues to cover the ground with red material removed from inside Biochar unit.



Photos: 22

Site Visit Report

Date Taken: 4-16-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: South side of Biochar.

Direction Facing: North

Description: Inside Biochar internal auger system

Inspection and Assistance Exit Summary

NDEE ID: 84069 NDEE Program & ID: NE0137634/NER910444 NDEE Notification #: _____

☒ Inspection/Other ☐ Compliance Assistance Visit (CAV) ☐ Permit Assistance Visit (PAV)

Facility/Operation Name: AI+En

Address: 11344 CR10

City/Town: mead, County: Salvadors, State of Nebraska.

Owner/Occupant/Operator Inspection Contact(s): _____

Inspector <u>Jason Windhorst</u>	Phone No <u>402.471.4205</u>	E-Mail address <u>jason.windhorst@nebraska.gov</u> <u>@nebraska.gov</u>
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Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922

Inspection Date: 4-16-2021 Start Time: 11:00 End Time: 13:15

☐ No concerns observed ☒ Observations ☐ Further agency discussion needed to determine compliance

☐ Concerns observed:

Area - 1 - Berm in good condition & second berm added to reflect water from parking lot

2 - Raised earlier this week & completed. berm in good condition

3 - Berm in good condition & stable

4 - no concerns

5 - Berm in good condition

6 - Pump as soon as possible & stabilize berm

☐ Actions to be performed immediately or as soon as reasonably practical:

Note - Area 6 is being slowly transferred to area East of keep buildings

- Tractor in shop (Fremont) to be fixed

Please notify the Inspector when the above actions are completed.

The Department will provide a final inspection report within an agency average of 14 days of the inspection date. The final inspection report will contain a complete list of any alleged violations. This inspection exit summary does not preclude any other legal action by the Nebraska Department of Environment and Energy and your prompt attention to the documented concerns will be considered in assessment of your voluntary compliance. This summary was left with: _____ Please contact the Inspector if you have any questions concerning this inspection and assistance exit summary.


Inspector Signature

Signing this document is not an admission of liability by the facility.


Inspection Contact Signature

revised 11/19/19