

Facility: AltEn
IIS: 84069
PCS: NE0137634

Jason Windhorst
4-8-2021

Site Visit Check list

Weather conditions: Cloudy with rain
Temperature: 47 F
Precipitation: 0.73"

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 (pumped / <input checked="" type="radio"/> 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:

- Little activity today due to rain. Berms are being maintained, but should be pumped soon
- Moving Biochar bags is on hold until the ground dries around the area where bags are stored. There are approximately 60 bags on the ground and 26 bags on flatbed truck parked south of grain receiving.
- There was active pumping from the southeast lagoon to the treatment building adjacent to the digesters. There was also active discharge from a sump-pump in distillation which was being drained to the ground on the east side of the distillation platform.

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.



20210141826

AltEn LLC - Storm Water Temporary BMP Check Map



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





Photos: 1

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Culvert north of CR 9 & J

Direction Facing: East

Description: East side of CR 9 showing dark colored water with and algae growth along the edges of the drainage way.



Photos: 2

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 1 on site map

Direction Facing: Northeast

Description: Berm on left and berm in right of photo. The berm on the right needs to be pumped as soon as possible and the berm on the left is slowly filling up from runoff from wetcake area adjacent.



Photos: 3

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 1 on site map

Direction Facing: North

Description: Small berms placed around wetcake preventing outside runoff in and attempting to contain runoff from the wetcake from discharging offsite.



Photos: 4

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 1 on site map

Direction Facing: North

Description: Close up of berm holding storm water from roadway and parking area to the west of the admin building.



Photos: 5

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 1 on site map

Direction Facing: Southwest

Description: Drainage area collected at berm shown in photo 4.



Photos: 6

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North of area 1

Direction Facing: Northeast

Description: Central drainage from the main wetcake area to the north and west that collects in area 2 on the site map. Photo taken from high area where soil excavated from the northwest lagoon was stored. The area was previously covered with vegetation, but is now being used as soil borrow material for berm construction.



Photos: 7

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southeast of the south hoop building

Direction Facing: East

Description: Showing extent of berm to access road.



Photos: 8

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 7

Direction Facing: North

Description: Access road east of the hoop buildings.



Photos: 9

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East of hoop buildings

Direction Facing: East

Description: Main drainage path to area 2 from west wetcake area.



Photos: 10

Site Visit Report

Date Taken: 4-8-2021

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: West

Description: Stabilized berm with trench draining opposite direction to area 2 on other side of hoop buildings.



Photos: 11

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East of hoop buildings south of southwest corner of northwest lagoon

Direction Facing: North

Description: Runoff from wetcake draining to area 2 from the NW. The access road on the right of the photos acts as a berm during rain events and is drained by a small pipe on the backside (SE side of road).



Photos: 12

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 3 on site map

Direction Facing: Northwest

Description: Berm is holding now that it was reinforced. Water outside of berm is runoff from the access road and adjacent field.



Photos: 13

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North of the southeast corner of the Northwest lagoon

Direction Facing: Southwest

Description: Photo depicts 4 whales present in the northwest lagoon.



Photos: 14

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southwest corner of the northeast lagoon

Direction Facing: East

Description: Photo showing the NE lagoon on the left and the SE lagoon on the right.



Photos: 15

Site Visit Report

Date Taken: 4-8-2021

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: Southeast

Description: Pump/hose system used to pull water from the southeast lagoon.



Photos: 16

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 15.

Direction Facing: Southwest

Description: North side of the drainage area to area 2 south of the northwest lagoon.



Photos: 17

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 15 showing area 2 on the site map

Direction Facing: Southwest

Description: Runoff accumulating in area 2 from wetcake storage areas west and north.



Photos: 18

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Building next to digesters

Direction Facing: South

Description: Building where cleanup of lagoon water is being filtered and clarified.

NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY



Photos: 19

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southeast corner of the distillation pad

Direction Facing: West

Description: Orange hose coming from the cleanup building and small hose is water discharge from the sump pit under distillation.



Photos: 20

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar area

Direction Facing: South

Description: Bags of Biochar stored on the west side of the Biochar unit.



Photos: 21

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar area

Direction Facing: Southeast

Description: Biochar stored on the east side of the Biochar unit.



Photos: 22

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southwest corner of the emergency lagoon

Direction Facing: Southeast

Description: The east and center Poseidon tanks south of the emergency lagoon.



Photos: 23

Site Visit Report

Date Taken: 4-8-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: South of Distillation pad

Direction Facing: West

Description: Biochar loaded on flatbed truck waiting to move to the south hoop building.



Photos: 24

Site Visit Report

Date Taken: 4-8-2021

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: Southwest

Description: Drainage way beginning to fill up and is separated by the lower berm east of the wetcake storage.

Inspection and Assistance Exit Summary

| | | |
|--|-------------------------------|---|
| NDEE ID: <u>84069</u> NDEE Program & ID: <u>NE0137634/NER910444</u> NDEE Notification #: _____ | | |
| <input checked="" type="checkbox"/> Inspection/Other <input type="checkbox"/> Compliance Assistance Visit (CAV) <input type="checkbox"/> Permit Assistance Visit (PAV) | | |
| Facility/Operation Name: <u>Al+En</u> | | |
| Address <u>11344 CR 10</u> | | |
| City/Town: <u>Neosho</u> , County <u>Savannah</u> , State of Nebraska. | | |
| Owner/Occupant/Operator Inspection Contact(s): <u>Scott Tinglehoff</u> | | |
| Inspector <u>Jason Windhorst</u> | Phone No <u>4024714205</u> | E-Mail address <u>Jason.Windhorst@nebraska.gov</u> <u>@nebraska.gov</u> |
| Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922 | | |

Inspection Date: 4-8-2021 Start Time: 1315 End Time: _____

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

☐ Concerns observed:

- North side of office (Area 1) berm holding but should be pumped
- SW of SW corner of South lagoon (Area 2) - Same as above
- West of NW corner of NW lagoon (Area 3) - Same as above
- N side of NW wet cake area (Area 4) - No concern
- NW of hoop buildings (Area 5) - berm holding & draining to Area 2 via trench along N side of hoop buildings
- East wet cake (Area 6) - berm holding but will be under water (lower berm) if not pumped soon

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

- Pump out berm areas ASAP before potential breach or failure of berm.
- Provide process diagram & description of treatment system used for water. Primarily method using ethanol plant system.
- Provide information on fluid being discharged from distillation area.

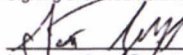
Please notify the Inspector when the above actions are completed.

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