

Facility: AltEn
IIS: 84069
PCS: NE0137634

Jason Windhorst
4-2-2021

Site Visit Check list

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 <input checked="" type="radio"/> pumped / not pumped |
| 3. West side of the northwest lagoon | <input checked="" type="radio"/> Yes | No <input checked="" type="radio"/> pumped / not pumped |
| 4. North side of the north wet cake pile | <input checked="" type="radio"/> Yes | No <input checked="" type="radio"/> pumped / not pumped |
| 5. County Road 10 (Hoop building). | <input checked="" type="radio"/> Yes | No <input checked="" type="radio"/> pumped / not pumped |
| 6. East wet cake pile | <input checked="" type="radio"/> Yes | No (pumped / <input checked="" type="radio"/> not pumped) |

Comments:

- The facility is actively working on grading in the area north of the admin building.
- All three Poseidon tanks are put together and have liquid in them. The east and west tank have a small amount of liquid pumped from the emergency lagoon and the middle tank is filled to within 3' from the top.
- Trucks are bringing in loads of wetcake from fields previously delivered to in 2020.
- The east wetcake area has not been pumped yet.
- Biochar is being loaded onto a flatbed truck and taken to the south hoop building.
- Levels in all three lagoons appear to be dropping.

B. Lagoons

- Northeast lagoon
 - No change in liner condition observed.
- Northwest lagoon
 - Only 3 whales present today, but a new section of liner was observed floating next to the northern most whale.
- South lagoon
 - No change



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: 4-2-2021

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: West

Description: Dark colored water in drainage way from AltEn.



Photos: 2

Site Visit Report

Date Taken: 4-2-2021

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: Area cleared of wetcake from drainage way from parking area and roadway.



Photos: 3

Site Visit Report

Date Taken: 4-2-2021

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: Northwest

Description: Cleared area west of area 1 showing western extent of new berm constructed.



Photos: 4

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: South hoop building

Direction Facing: West

Description: Biochar being stored in south hoop building.



Photos: 5

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East side of the north hoop building

Direction Facing: East

Description: Open area east of the hoop buildings showing wetcake being consolidated.



Photos: 6

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North of the north hoop building

Direction Facing: West

Description: Trench cut from area 5 on the site map to drain ponded water to the east.



Photos: 7

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 6

Direction Facing: East

Description: Trench to drain area 5.



Photos: 8

Site Visit Report

Date Taken: 4-2-2021

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: Small amount of runoff ponded against the berm in area 5. This area will eventually be pumped out.



Photos: 9

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

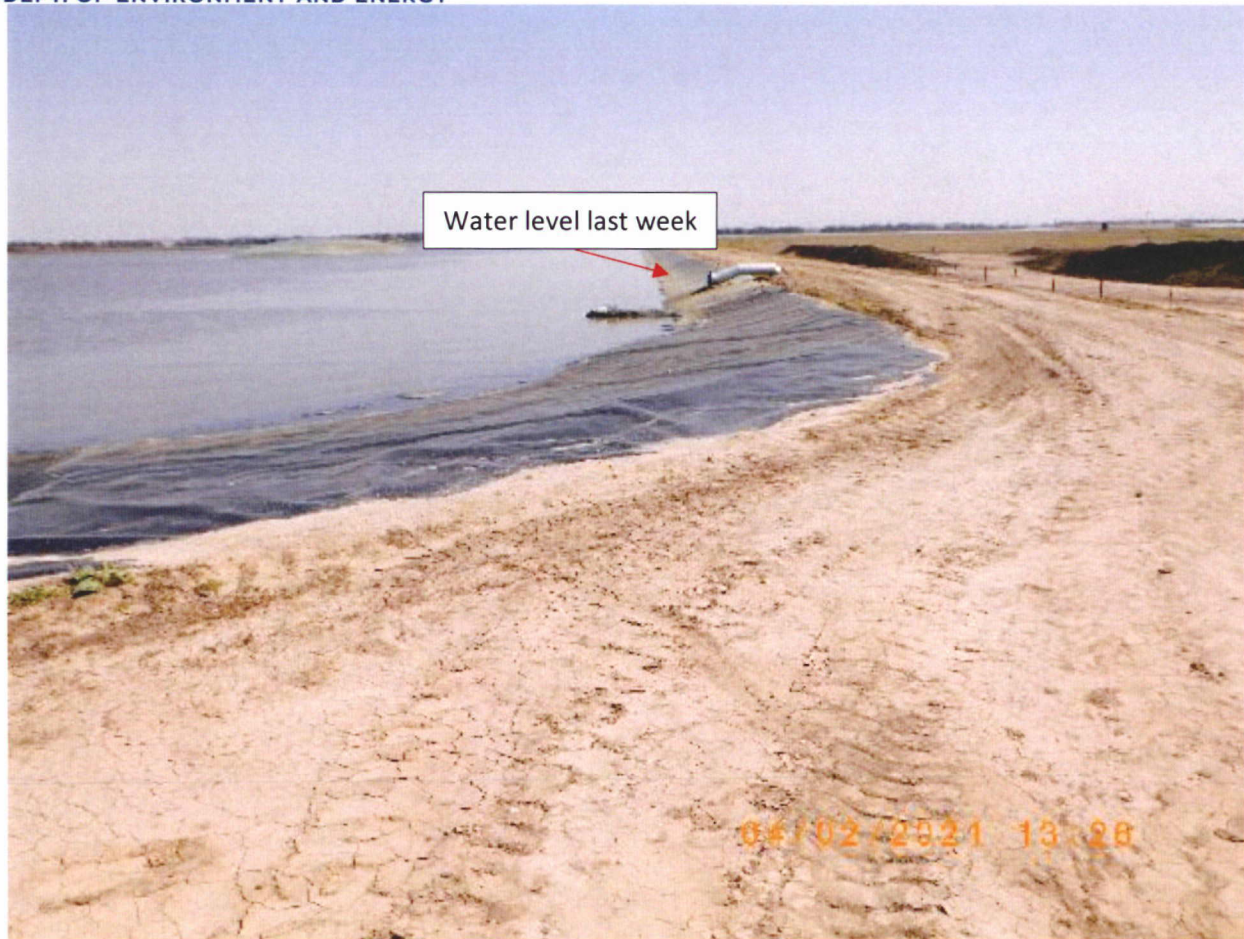
Facility Name/ Project Name: AltEn LLC

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

Location: Southwest of the northwest lagoon

Direction Facing: Northeast

Description: Open area where wetcake was stored and then consolidated to the north.



Photos: 10

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southwest corner of the northwest lagoon

Direction Facing: East

Description: Lagoon showing evidence of water levels dropping.



Photos: 11

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 10

Direction Facing: North

Description: Same as photo 10



Photos: 12

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 10

Direction Facing: South

Description: High winds blowing dust around when trucks are dropping wetcake retrieved from fields offsite.



Photos: 13

Site Visit Report

Date Taken: 4-2-2021

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: Northwest

Description: Berm repaired and reinforced. Soil outside of the berm area is still wet and rutted easily from loader traffic.



Photos: 14

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Along the north side of the northwest lagoon

Direction Facing: South

Description: Large whale along the southside of the lagoon.



Photos: 15

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 14

Direction Facing: South/down

Description: Residue from waves splashing up on the edge of the lagoon.



Photos: 16

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East side of the northwest lagoon.

Direction Facing: Northwest

Description: Section of liner appeared recently and was observed moving with the high winds. The photo does not provide clear evidence but was easily viewed as waves moved it around.



Photos: 17
Site Visit Report
Date Taken: 4-2-2021
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: Southwest
Description: Load of wetcake being brought back from fields.



Photos: 18

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southwest corner of the southeast lagoon.

Direction Facing: West

Description: Area 2 on the site map showing ponded runoff. Berm is holding and no seepage was visible.



Photos: 19

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southeast corner of the southeast lagoon

Direction Facing: Northeast

Description: Wastewater level and liner sections of the southeast lagoon.



Photos: 20

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East of the cooling tower

Direction Facing: West

Description: Cooling tower in use to cool pumps in main plant.



Photos: 21

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southeast corner of the emergency lagoon.

Direction Facing: West

Description: Showing water level of the lagoon and solids present. The lagoon was drawn down a small amount to add to the east and west Poseidon tanks to hold the liners down.



Photos: 22

Site Visit Report

Date Taken: 4-2-2021

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: East

Description: South edge of the lagoon and the east Poseidon tank completed.



Photos: 23

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East of the Biochar area.

Direction Facing: Southwest

Description: Biochar bags stored on the ground surrounding the Biochar unit. There is more stored to the south of this area and to the west.



Photos: 24

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: West side of the Biochar unit

Direction Facing: South

Description: Biochar on the left side of the photo with bags stored next to it and the west Poseidon tank.



Photos: 25

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Access road south of the distiller area.

Direction Facing: North

Description: Flatbed truck with bags of Biochar being loaded to haul to the south hoop building.



Photos: 26

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northwest corner of the east wet cake storage area – area 6 on the site map

Direction Facing: East

Description: Berm reinforced along the north side of the east wetcake area.



Photos: 27

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast corner of area 6 on the site map

Direction Facing: West

Description: Bermed runoff retained behind both berms. This area should be pumped out very soon.



Photos: 28

Site Visit Report

Date Taken: 4-2-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Drainage area north of the east wetcake storage, area 6 on the site map

Direction Facing: North

Description: Dark water with white filamentous bacteria accumulating on the surface and on vegetation.

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NEBRASKA

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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>Alt En</u>		
Address: <u>11344 CR 10</u>		
City/Town: <u>Mead</u> , County: <u>Sarver</u> , State of Nebraska.		
Owner/Occupant/Operator Inspection Contact(s): <u>Scott Ynglehoff</u>		
Inspector <u>Jason Windhorst</u>	Phone No <u>4024714205</u>	E-Mail address <u>jason.windhorst@nebraska.gov</u>
Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922		

Inspection Date: 4-2-2021 Start Time: 1300 End Time: 1530

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

☐ Concerns observed:

Area

- 1 - muddy next to berm w/ no water visible
- 2 - Pumped down but still has some water & berm holding
- 3 - Some water behind berm & no seepage
- 4 - Good condition & no water present
- 5 - Berm in good condition & trench cut to drain to East
- 6 - No seepage but should be pumped as soon as possible

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

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: Ken Peterson. Please contact the Inspector if you have any questions concerning this inspection and assistance exit summary.

Jason Windhorst
Inspector Signature

Ken Peterson
Inspection Contact Signature

revised 11/19/19