

Facility: AltEn
IIS: 84069
PCS: NE0137634

Jason Windhorst
4-14-2021

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:

- The berm in area 2 was raised to gain more storage capacity.
- 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.
- Biochar continues to be removed and placed in the south hoop building. The material on the ground south of the Biochar pad is several inches thick while to the north and south it is less visible.
- Camera did not save photo from drainage ditch from CR 9 & J

B. Lagoons

- Northeast lagoon
 - No change in liner condition observed.
- Northwest lagoon
 - Two of the whales have disappeared and liner sections along the east and south side are exhibiting movement under moderate winds.
- South lagoon
 - No change in liner condition observed.



2021041828

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: 6

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: Berm along the east side of the east wetcake area has multiple seep locations and is beginning to pool outside of the second berm.



Photos: 2

Site Visit Report

Date Taken: 4-14-2021

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: North

Description: Berm pumped out to the area north over the small hill to the area draining to area 2.



Photos: 3

Site Visit Report

Date Taken: 4-14-2021

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 in this area has been raised by approximately 1' and has been compacted using a pull behind sheepsfoot drum roller.



Photos: 4

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

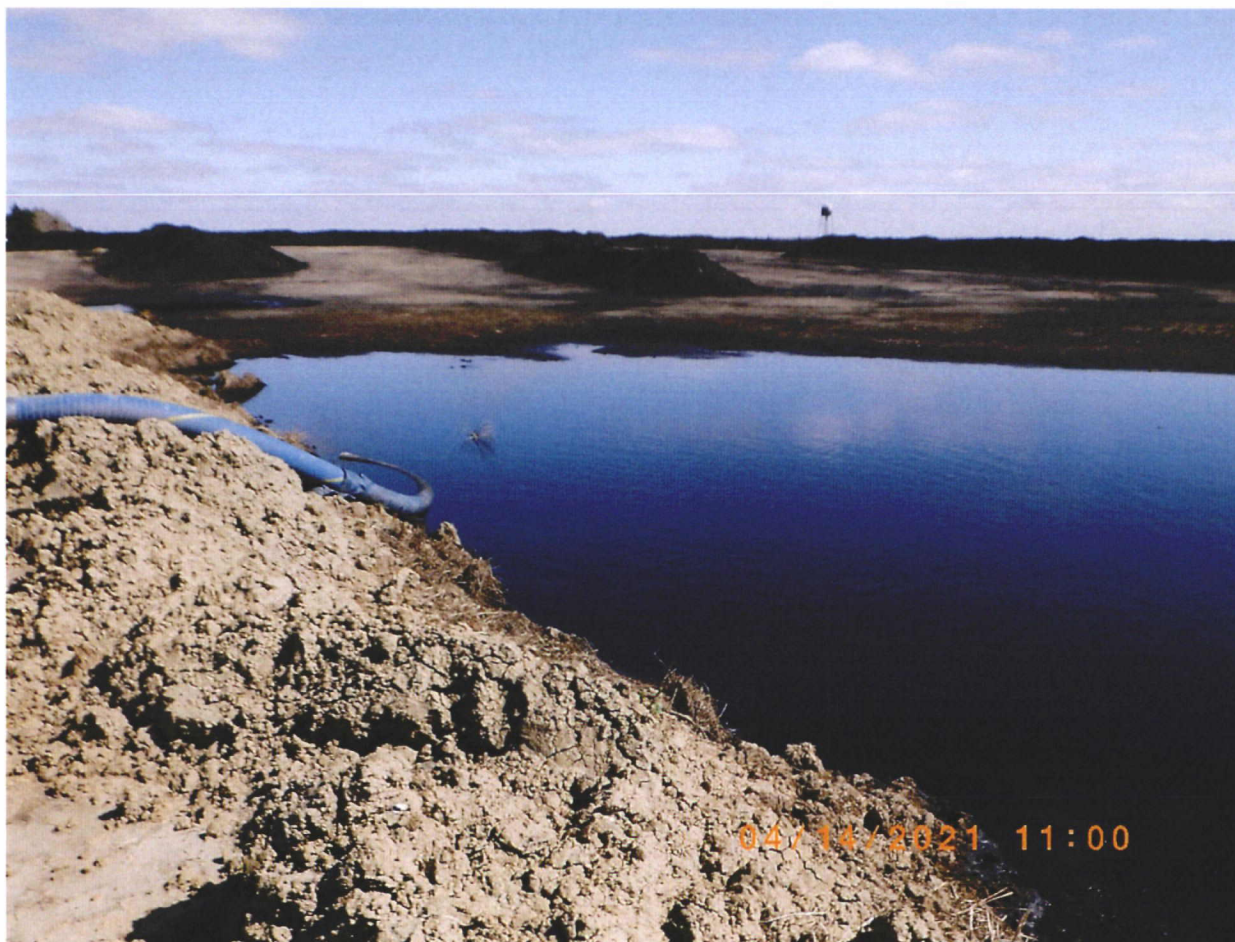
Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 3

Direction Facing: West

Description: Compacted berm has been extended to the west to connect with the hill north of the admin building.



Photos: 5

Site Visit Report

Date Taken: 4-14-2021

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: North

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



Photos: 6

Site Visit Report

Date Taken: 4-14-2021

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: South

Description: The recent reinforcement of the section berm in this area is holding and shows no sign of seepage.



Photos: 7

Site Visit Report

Date Taken: 4-14-2021

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: North

Description: Depth indicator marking on southwest corner of the northwest lagoon showing lagoon level is less than 19'.



Photos: 8

Site Visit Report

Date Taken: 4-14-2021

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: Photos shows the two remaining whales in the northwest lagoon and thick green material accumulating around the east whale. The green material is increasing daily and only found around the east whale.



Photos: 9

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North side of the northeast lagoon

Direction Facing: Southeast

Description: Whales and torn sections of the lagoon.



Photos: 10

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 9

Direction Facing: Southwest

Description: Whales and torn sections of the lagoon.



Photos: 11

Site Visit Report

Date Taken: 4-14-2021

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 southeast lagoon.

Direction Facing: North

Description: The lagoon is beginning to exhibit bubbling and foaming with a very strong septic odor.

Solids are beginning to float to the top along south edge.



Photos: 12

Site Visit Report

Date Taken: 4-14-2021

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: Southeast

Description: Solids and debris collecting in the corner of the lagoon.



Photos: 13

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East of the southeast corner of the southeast lagoon.

Direction Facing: East

Description: Repaired fence that was cut to allow access when the facility was pumping in February.



Photos: 14

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Midway along the south side of the southeast lagoon.

Direction Facing: West

Description: Pipe floating along the south edge of the lagoon. Pipe possibly blew into the lagoon sometime in the last week.



Photos: 15

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North Poseidon tank

Direction Facing: South

Description: Approximately 3' of liquid in the tank. Liquid inside the tank appeared black with a strong septic odor.



Photos: 16

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North edge of the west Poseidon tank.

Direction Facing: East

Description: Remaining bags of Biochar on the ground. Muddy conditions have slowed the progress of relocating the Biochar bags in previous days but AltEn should now be able to complete this within the next day or two.



Photos: 17

Site Visit Report

Date Taken: 4-14-2021

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: West

Description: Bags of Biochar are now removed from the east side of the Biochar area but do show excessive amounts of material on the ground.



Photos: 18

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: West side of the center Poseidon tank.

Direction Facing: East

Description: Most of the piping has been connected between all three Poseidon tanks and Clean Harbors treatment system.



Photos: 19

Site Visit Report

Date Taken: 4-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 18

Direction Facing: North

Description: Clean Harbors treatment/cleanup .



Photos: 20

Site Visit Report

Date Taken: 4-14-2021

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: South

Description: Clean Harbors staging area with staff continuing to set up equipment to begin treating the effluent from the AltEn treatment system.

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>Mead</u> , County <u>Saunder</u> , State of Nebraska.		
Owner/Occupant/Operator Inspection Contact(s): _____		
Inspector	Phone No	E-Mail address
<u>Jason Windhorst</u>	<u>402-714-205</u>	<u>jason.windhorst@nebraska.gov</u>
<u>Hillary Stoll</u>		<u>hillary.stoll@nebraska.gov</u>
Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922		

Inspection Date: 4-14-2021 Start Time: 1015 End Time: 1230

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

☐ Concerns observed:

Area 1 - Berm in good condition & pumped
2 - Berm raised & compacted & pumped most of water
3 - Berm in good condition not pumped
4 - No concerns
5 - Berm in good condition not pumped but diking East
6 - Berms seeping & need to be pumped

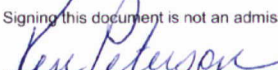
☒ Actions to be performed immediately or as soon as reasonably practical:

- Pump out Area 6 berms & repair berms
- Finish moving Biochar to hoop building

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.


 Inspector Signature

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

 Inspection Contact Signature