

Facility: AltEn
IIS: 84069
PCS: NE0137634

Jason Windhorst
4-12-2021

Site Visit Check list

Weather conditions: Cloudy with rain
Temperature: 60 F
Wind: Average 20 mph w/ gusts 28-30 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 | Yes | No (pumped) / not pumped |
| 2. Southwest side of the south lagoon | Yes | No (pumped) / (not pumped) |
| 3. West side of the northwest lagoon | Yes | No (pumped) / (not pumped) |
| 4. North side of the north wet cake pile | Yes | No - no accumulation of runoff |
| 5. County Road 10 (Hoop building). | Yes | No (pumped) / (not pumped) |
| 6. East wet cake pile | Yes | No (pumped) / (not pumped) |

Comments:

- There is some regrading taking place onsite, primarily maintenance of the access roads and reinforcing berms.
- Biochar bag relocation resumed in the afternoon starting with the bags loaded last week onto the flatbed truck.
- 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
 - 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.



20210141827

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: 4-12-2021

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: Southwest

Description: West side of CR 9 showing water in drainage way is slowly becoming less dark colored with each rain event.



Photos: 2

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

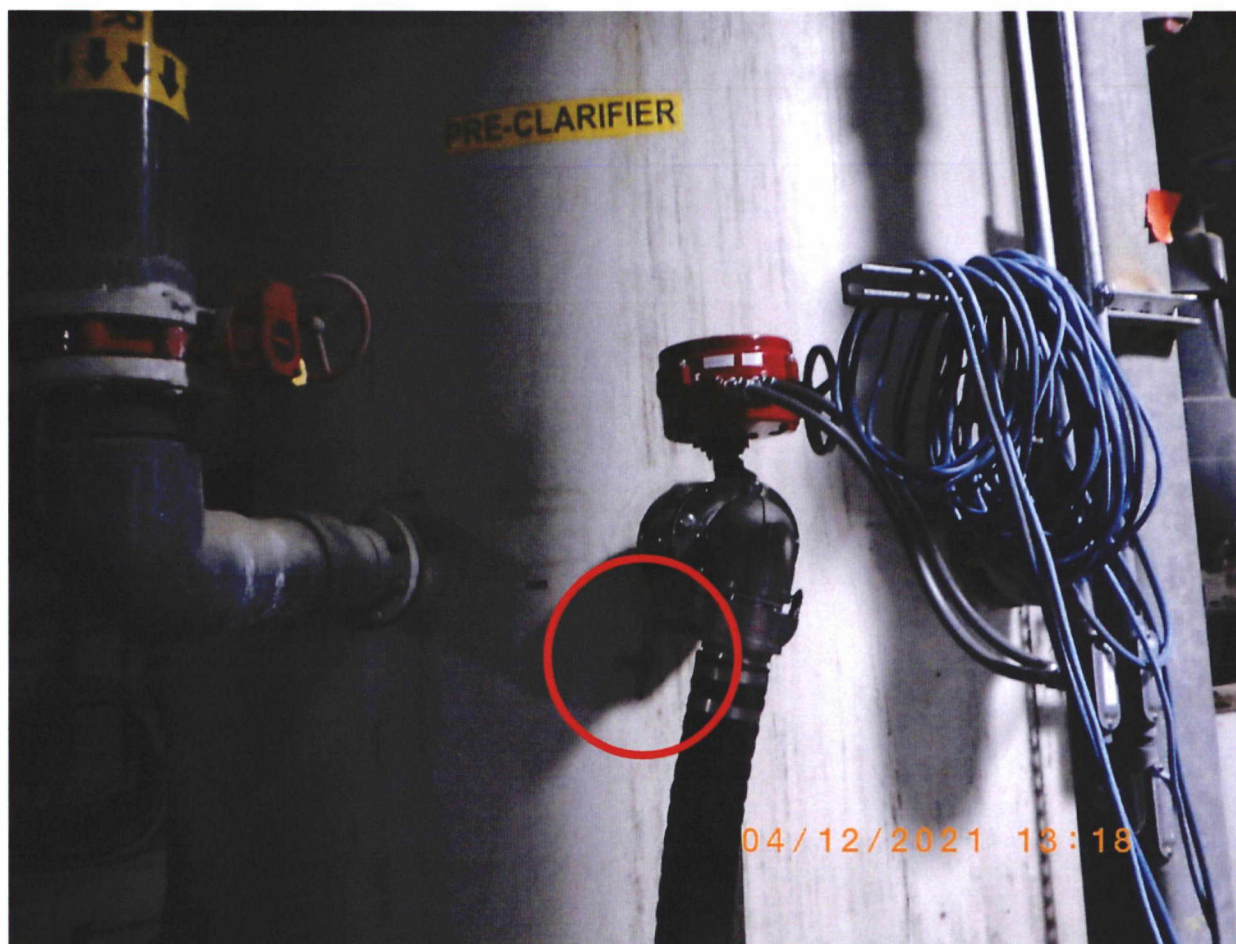
Facility Name/ Project Name: AltEn LLC

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

Location: Nutrient Recovery Building

Direction Facing: NA

Description: Staff sampling effluent from carbon filter tank.



Photos: 3

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Nutrient Recovery Building

Direction Facing: NA

Description: Influent sample location for water pumped from the southeast lagoon.



Photos: 4

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Nutrient Recovery Building

Direction Facing: NA

Description: Influent and effluent samples taken.



Photos: 5

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on site map

Direction Facing: North

Description: Seepage along upper berm on the east side of the east wetcake storage area.



Photos: 6

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 5

Direction Facing: South

Description: Multiple seepage points from the upper berm is filling the secondary berm area more daily. The area should be pumped as soon as possible, and berms repaired.



Photos: 7

Site Visit Report

Date Taken: 4-12-2021

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 2 on the site is in the top photo and both show the area south of the northwest lagoon.



Photos: 8

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

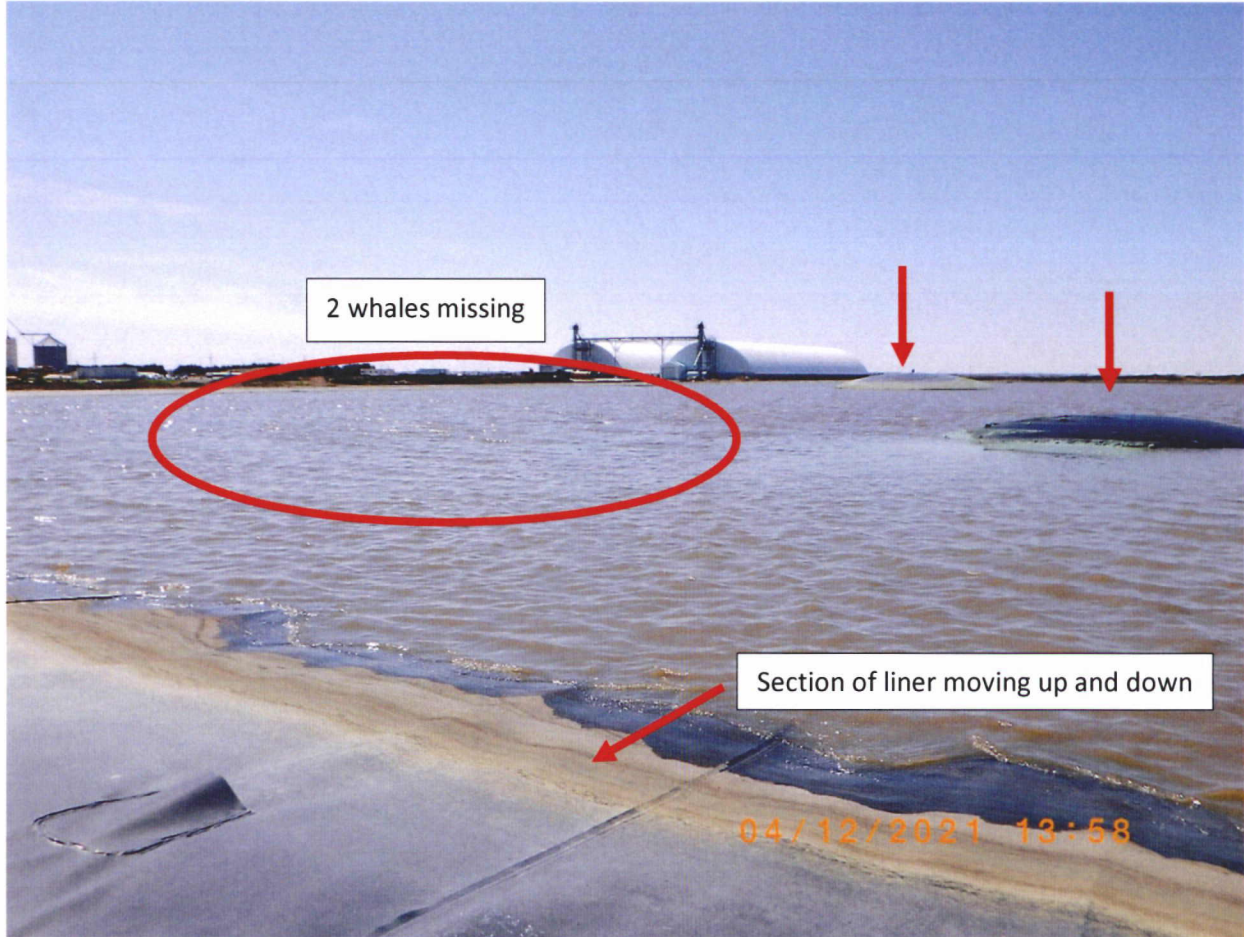
Facility Name/ Project Name: AltEn LLC

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

Location: Southeast corner of the northwest lagoon.

Direction Facing: West

Description: Area where liner was moving up and down (8"-10") with the wind. This was also observed on the east side of this lagoon.



Photos: 9

Site Visit Report

Date Taken: 4-12-2021

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: Whales missing in northwest lagoon and section of liner impacted by wind on east side of the lagoon.



Photos: 10

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 9

Direction Facing: Northwest

Description: Whale midway north from the southeast corner of the northwest lagoon and segment of liner moving with wave action.



Photos: 11

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: South of the large whale in the northwest lagoon.

Direction Facing: North

Description: Section of the liner along the edge of the lagoon could be seen moving up and down with the wind.



Photos: 12

Site Visit Report

Date Taken: 4-12-2021

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.



Photos: 13

Site Visit Report

Date Taken: 4-12-2021

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: Northwest

Description: Berm is holding and most of runoff has drained to area 2 along the trench.



Photos: 14

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southeast of the hoop buildings northwest of area 1 on the site map

Direction Facing: Northwest

Description: Staff unloading the Biochar bags from the flatbed truck to the south hoop building.



Photos: 15

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 14

Direction Facing: East

Description: New berm constructed along wetcake preventing run-on from parking lot and access road runoff.



Photos: 16

Site Visit Report

Date Taken: 4-12-2021

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 holding runoff from parking area and access road being pumped over to area that drains to area 2 on the site map.



Photos: 17

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northwest of the Biochar area

Direction Facing: Southeast

Description: Bags of Biochar on the ground west of the Biochar unit. Once all the bags are removed the Biochar material scattered on the ground around the area will also need to be cleaned up.



Photos: 18

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast of the Biochar area

Direction Facing: Southwest

Description: More bags of Biochar on the east side of the area.



Photos: 19

Site Visit Report

Date Taken: 4-12-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northwest corner of the emergency lagoon

Direction Facing: East

Description: Runoff from behind the berm in area 2 of the site map being pumped to this location.



Photos: 20

Site Visit Report

Date Taken: 4-12-2021

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.

NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY

NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY

Inspection and Assistance Exit Summary

NDEE ID: <u>84069</u>	NDEE Program & ID: <u>NE13763/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>AI+En</u>		
Address <u>11344 CR 10</u>		
City/Town: <u>Mead</u> , County <u>Saunder's</u> , State of Nebraska.		
Owner/Occupant/Operator Inspection Contact(s): _____		
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: 4-12-2021 Start Time: 1230 End Time: 1530

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

☐ Concerns observed:

Area 1 - Pumping to area 2 currently, berm holding
- 2 - Pumping to emergency lagoon, berm holding
- 3 - Berm holding some water, not enough to pump
- 4 - ~~berm~~ berm holding & no runoff
- 5 - Berm holding some runoff, most drained to area 2
- 6 - Berm has a lot of seepage & should be pumped
before berms completely fail

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

Pump out area 6 (east wet area) & fix
berms.

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

[Signature]
Inspector Signature

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

[Signature]
Inspection Contact Signature

revised 11/19/19