

Facility: AltEn
IIS: 84069
PCS: NE0137634

Jason Windhorst
4-26-2021

Site Visit Check list

Weather conditions: Sunny
Temperature: 66-92 F
Wind: Average 15 mph w/ gusts 28 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:

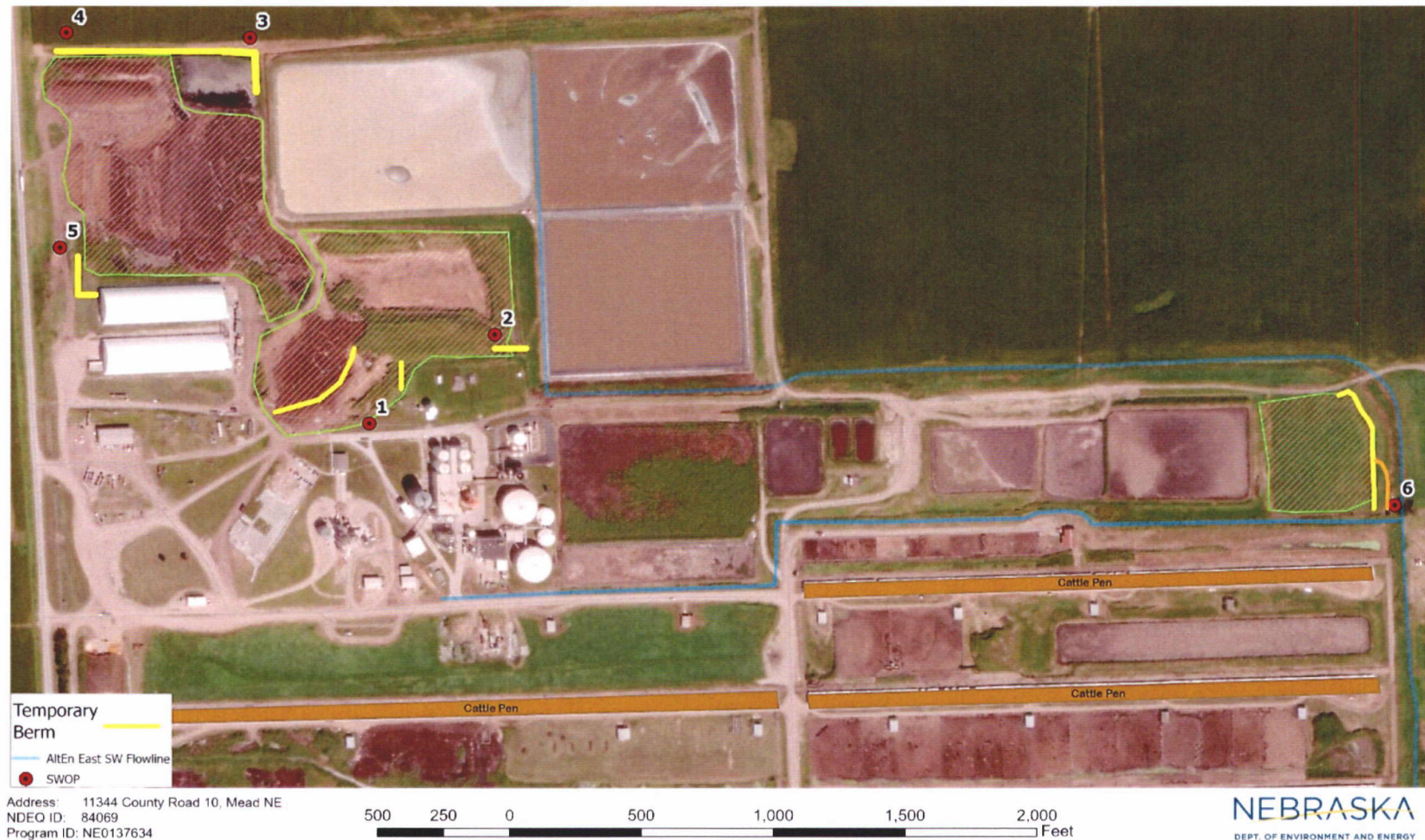
- We were notified upon arriving that the only remaining staff for AltEn is Scott and Mary Tingelhoff and Dale (last name?). Clean Harbors was onsite but did not appear to be fully staffed during the time we were onsite.
- Area 6 has had a lot of material removed around the SE and NE corner of the storage area creating additional storage for runoff. The lower berm continues to remain very full of runoff and may potentially fail if high precipitation events occur.
- The NE and SE lagoon are both being pumped out of for treatment.

B. Lagoons

1. Northeast lagoon
 - No change in liner condition observed, but excessive degassing was taking place.
2. Northwest lagoon
 - Whale movement has subsided and the section along the east edge is submerged again.
3. South lagoon
 - No change in liner condition observed.



AltEn LLC - Storm Water Temporary BMP Check Map





Photos: 1

Site Visit Report

Date Taken: 4-21-2021

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: West

Description: The water in the ditch is becoming cloudy with algae growth on the surface.



Photos: 2

Site Visit Report

Date Taken: 4-26-2021

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: East

Description: Northeast side of area 6 showing additional space for runoff from relocation of wetcake to north of area 1.



Photos: 3

Site Visit Report

Date Taken: 4-26-2021

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: Upper berm has had most of the runoff mixed with wetcake and relocated to the west area but the lower berm is still very full and shows visual indication of seepage.



Photos: 4

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: South of the southeast corner of the northwest lagoon.

Direction Facing: South

Description: No change to the berm and no new runoff present.



Photos: 5

Site Visit Report

Date Taken: 4-26-2021

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: Berm is holding and no sign of seepage.



Photos: 6

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 4 on the site map.

Direction Facing: East

Description: This section does not hold runoff but was an area of concern in the past where wetcake had been pushed up to the top of the berm and was a potential source of wetcake runoff. There are no concerns for this area anymore.



Photos: 7

Site Visit Report

Date Taken: 4-26-2021

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: Runoff still present at this area and continues to bubble and have a strong odor.



Photos: 8

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

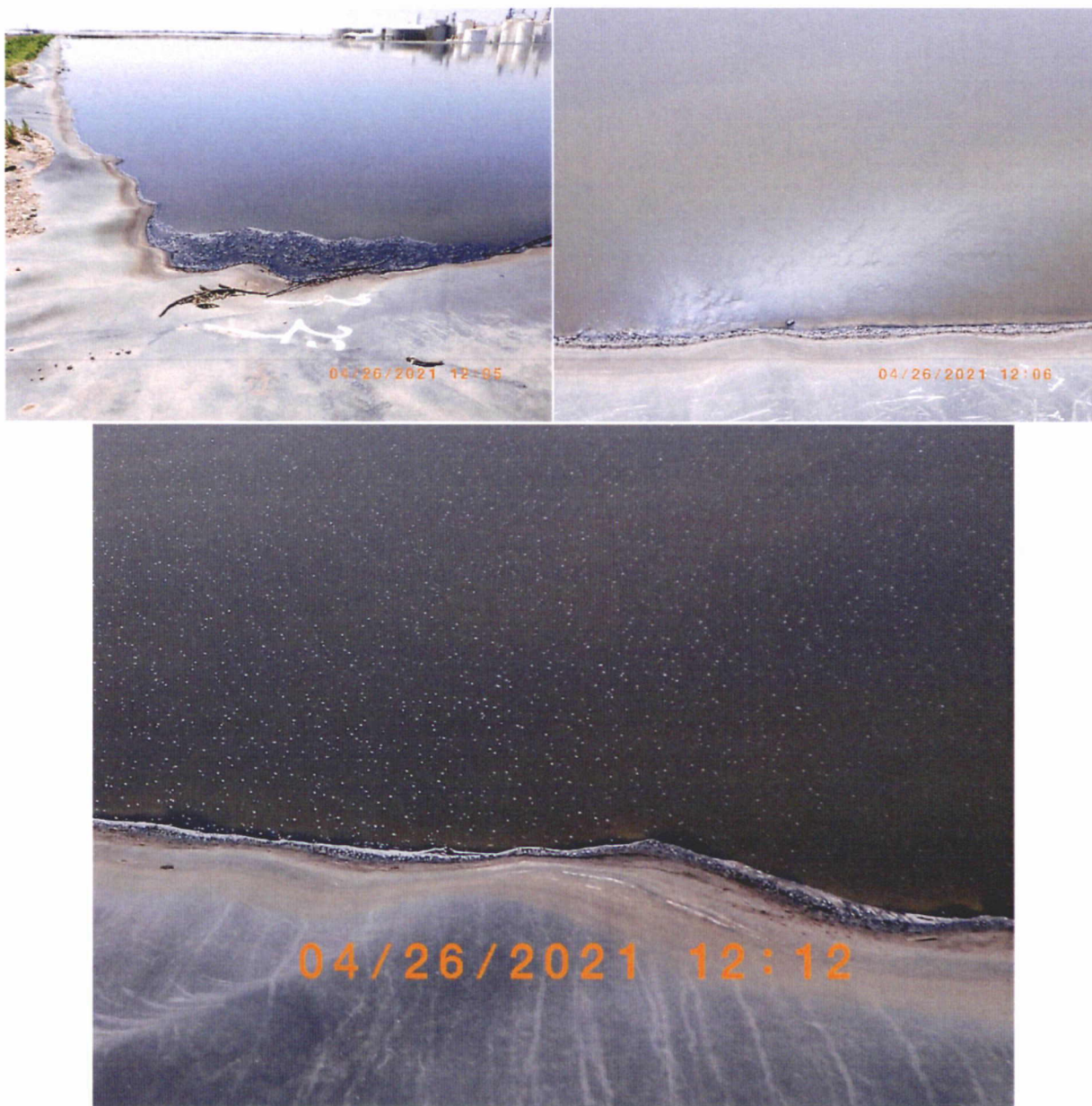
Facility Name/ Project Name: AltEn LLC

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

Location: North side of Biochar.

Direction Facing: Southeast

Description: Attempts at Biochar cleanup appear to have begun but are incomplete. There continues to be a large volume (2"-3" thick in areas) of Biochar on the ground to the south of the area.



Photos: 9

Site Visit Report

Date Taken: 4-26-2021

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: Southwest

Description: Black sludge and an oily substance with bubbling was the only new observation that was notable.



Photos: 10

Site Visit Report

Date Taken: 4-26-2021

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: West

Description: Pumping now out of the northeast lagoon as well as the southeast lagoon.



Photos: 11

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

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

Direction Facing: North

Description: Pump station moving lagoon water to the NR building for filtration.



Photos: 12

Site Visit Report

Date Taken: 4-26-2021

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: North

Description: Liner section in this corner continues to pull outward while the section along the east edge has subsided.



Photos: 13

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Midway along the north side of the northeast lagoon.

Direction Facing: Southwest

Description: Section of liner connecting to whale.



Photos: 14

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: same as photo 13.

Direction Facing: Southeast

Description: Section of torn liner continuing to tear under high winds.



Photos: 15

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: West side of the emergency lagoon

Direction Facing: Northeast

Description: There is no pumping to this lagoon today and no significant changes are present in the lagoon level.



Photos: 16

Site Visit Report

Date Taken: 4-26-2021

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: North

Description: Temperature monitoring of the wetcake on the north side of the east wetcake area.



Photos: 17

Site Visit Report

Date Taken: 4-26-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast of the north hoop building.

Direction Facing: Southwest

Description: Temperature monitoring of wetcake in the west area showing much of the older wetcake having higher resistance to the temperature probe. Sample refusal was encountered at several locations.

NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY

Inspection and Assistance Exit Summary

NDEE ID: 34069 NDEE Program & ID: NE0137624/NER9101144 NDEE Notification #: _____

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

Facility/Operation Name: Alt En

Address: 1332 CR 10

City/Town: Mead, County: Sarver, State of Nebraska.

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

Inspector	Phone No	E-Mail address
<u>Susan Windham</u>	_____	<u>@nebraska.gov</u>
_____	_____	<u>@nebraska.gov</u>

Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922

Inspection Date: 4-26-2021 Start Time: 8:40 End Time: _____

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

Area 1 - Berms good & dry

2 - Berm holding & has a small amount of runoff

3 - Berm holding & could be pumped. No seepage

4 - No concern

5 - Berm holding & continues to have runoff, but majoring in ground

6 - Berm still has seepage, but most of runoff removed behind upper berm. Lower berm area is full

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

Pump out berm at CAS, wet cake area
to treatment system

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

Susan Windham
Inspector Signature

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

Mary Ingelhoff
Inspection Contact Signature

revised 11/19/19