

Facility: AltEn  
IIS: 84069  
PCS: NE0137634

Jason Windhorst  
5-5-2021

## Site Visit Check list

Weather conditions: Sunny  
Temperature: 43-58 F  
Wind: Average 0 mph w/ gusts 7 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:

- Clean Harbors has begun work on reinforcing and raising the berm in area 5 of the site map.
- Office space is slowly being cleaned out by Mary Tingelhoff with the exception of Matt O'Brien retaining his office.
- Area 6 or East wetcake storage area continues to seep through berms.
- Both hoop buildings have small leaks in the roof allowing materials to get wet which has caused sprouting and decomposition in the north building and potential decomposition of materials exposed in the south building.

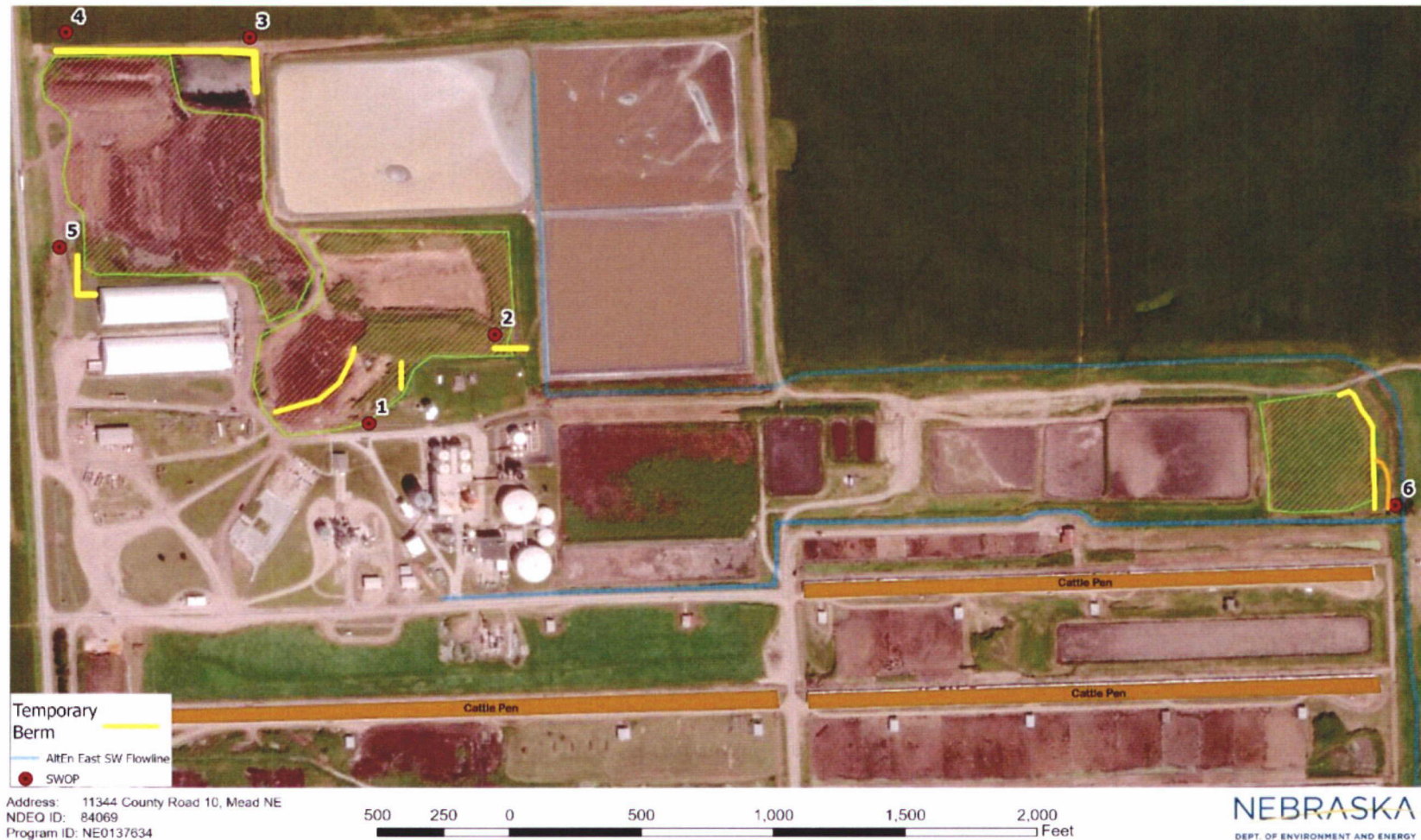
### B. Lagoons

- Northeast lagoon
  - No change in liner condition observed, but excessive degassing was taking place.
- Northwest lagoon
  - The whale on the east side of the lagoon has disappeared and one of the missing whales in the SE corner has reappeared. The liner is also stretching from the SE corner part way to the new whale. The equalization pipe between the NE and NW lagoon is no longer able to flow due lowered lagoon levels.
- South lagoon
  - No change in liner condition observed. Black sludge is now floating along edges of lagoon.



4699ET01202

AltEn LLC - Storm Water Temporary BMP Check Map







Photos: 1

Site Visit Report

Date Taken: 5-5-2021

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 slowly clearing up and the odor is less distinguishable from Mead Cattle.



Photos: 2

Site Visit Report

Date Taken: 5-5-2021

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: Northwest corner of the east wetcake storage area showing the extra storage for runoff after AltEn had pushed wetcake back into the pile.





Photos: 3

Site Visit Report

Date Taken: 5-5-2021

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: Lower bermed area containing the seepage from the upper berm. The upper berm is mostly empty of wetcake runoff currently.



Photos: 4

Site Visit Report

Date Taken: 5-5-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: South of the emergency lagoon.

Direction Facing: South

Description: Clean Harbors wastewater treatment area. The water is being pumped from the AltEn system to theirs where it is further processed. They said that they are currently sending their treated water to Poseidon Tank 2.





Photos: 5

Site Visit Report

Date Taken: 5-5-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Clean Harbors Treatment Area

Direction Facing: East

Description: Influent from AltEn pumped to lined roll off dumpster for distribution to their system.



Photos: 6

Site Visit Report

Date Taken: 5-5-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Poseidon Tank 2.

Direction Facing: South

Description: Clean Harbor effluent from treatment system pumped into Tank 2. Water in the tank is very dark with a strong odor but the water being pumped in at the time of the site visit was somewhat clear.





Photos: 7

Site Visit Report

Date Taken: 5-5-2021

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: Solids and foam being pumped back to the emergency lagoon from Clean Harbors.



Photos: 8

Site Visit Report

Date Taken: 5-5-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East side of Biochar.

Direction Facing: Southeast

Description: There is no change in the Biochar area since the last inspection.





Photos: 9

Site Visit Report

Date Taken: 5-5-2021

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: The small berms built to contain the wet cake and capture runoff are holding and show no sign of seepage.





Photos: 10

Site Visit Report

Date Taken: 5-5-2021

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 is holding and show no sign of seepage, but could be pumped if there is measurable precipitation in the near future.





Photos: 11

Site Visit Report

Date Taken: 5-5-2021

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: Northwest

Description: Small whale rising with the corner section pulling the liner tight leaving void space underneath.



Photos: 12

Site Visit Report

Date Taken: 5-5-2021

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: Thick black foaming sludge collecting along the edges with miscellaneous debris.





Photos: 13

Site Visit Report

Date Taken: 5-5-2021

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: No major changes observed in this lagoon with the exception of green sludge continuing to rise and collect along the edges.



Photos: 14

Site Visit Report

Date Taken: 5-5-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Midway between the NE and NW corners along the north edge of the northwest lagoon.

Direction Facing: South

Description: Persistent whale in the northwest lagoon.





Photos: 15

Site Visit Report

Date Taken: 5-5-2021

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: West

Description: Berm is holding and no seepage was found.



Photos: 16

Site Visit Report

Date Taken: 5-5-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Approximately 100' East of the north hoop building

Direction Facing: East

Description: Main drainage path for the west wetcake storage area.





Photos: 17

Site Visit Report

Date Taken: 5-5-2021

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 has no seepage evident. Runoff continues to pond behind berm with the majority of the runoff flowing east via the ditch created by AltEn.

## NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY

### 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>ALTEN</u>					
Address: <u>1332 CR 10</u>					
City/Town: <u>Mead</u> , County: <u>Sarver</u> , State of Nebraska.					
Owner/Occupant/Operator Inspection Contact(s): _____					
Inspector <u>Jason Windhorst</u>		Phone No <u>402 471 4205</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: 5-5-2021 Start Time: 7:15 End Time: 10:15

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

☐ Concerns observed:

Area 1 - Berm good condition & some water ponded  
2 - Berm good condition & can be pumped, No seepage  
3 - Berm good condition & can be pumped, no seepage  
4 - no concern  
5 - Berm holding & draining to the east  
6 - Berm has seepage in top & bottom berm, Bottom  
berm should be pumped ASAP

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

- make sure bay doors are closed on North  
keep building when not in use.  
- Check electrical panel making noise between keep  
buildings  
- Address east wet catch berms & seepage must  
be pumped.

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

Inspector Signature  
Inspector Signature

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

Inspection Contact Signature  
Inspection Contact Signature

revised 11/19/19