

Facility: AltEn, LLC  
 IIS: 84069  
 PCS: NE0137634

Jason Windhorst  
 6/21/2021

### Site Visit Check list

Weather conditions: Cloudy

Temperature: 73° F

Wind: Northwest 10-13 w/ gust to 18 (MPH)

Precipitation: 0.0"

#### Storm Water Berms and areas of concern (the numbers below match the attached map)

Location	Inspected		Area Description	
	Yes	No		
1. Northeast side of the administration building	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Berm removed</i>	
2. Southwest side of the south lagoon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	pumped <input checked="" type="checkbox"/>	not pumped <input type="checkbox"/>
3. West side of the northwest lagoon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	pumped <input checked="" type="checkbox"/>	not pumped <input type="checkbox"/>
4. North side of the north wet cake pile	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Does not accumulate runoff</i>	
5. County Road 10 (Hoop building)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Area trenched-no ponding</i>	
6. East wet cake pile	<input checked="" type="checkbox"/>	<input type="checkbox"/>	pumped <input checked="" type="checkbox"/>	not pumped <input type="checkbox"/>
7. Berm northeast of hoop buildings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	pumped <input checked="" type="checkbox"/>	not pumped <input type="checkbox"/>

#### Comments:

- Clean Harbors continues work on placing geofabric in the area south of the northwest lagoon for the six pack - Poseidon tank farm.
- Poseidon tanks 4, 5, 6, & 10 have been erected and tank 10 is being filled with process water from the remediation process.
- Poseidon tanks 4-6 have been filled with water from the northeast lagoon.
- A section of liner has become detached and blown over the berm between the northeast and southeast lagoon.

#### Lagoons:

1. Northeast lagoon
  - Liner condition is changing as more torn sections become exposed as the lagoon is drawn down.
2. Northwest lagoon
  - No change in liner condition or lagoon water observed. 2 whales present now.
3. South lagoon
  - No change in liner condition or lagoon water observed.



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## AltEn LLC - Storm Water Temporary BMP Check Map

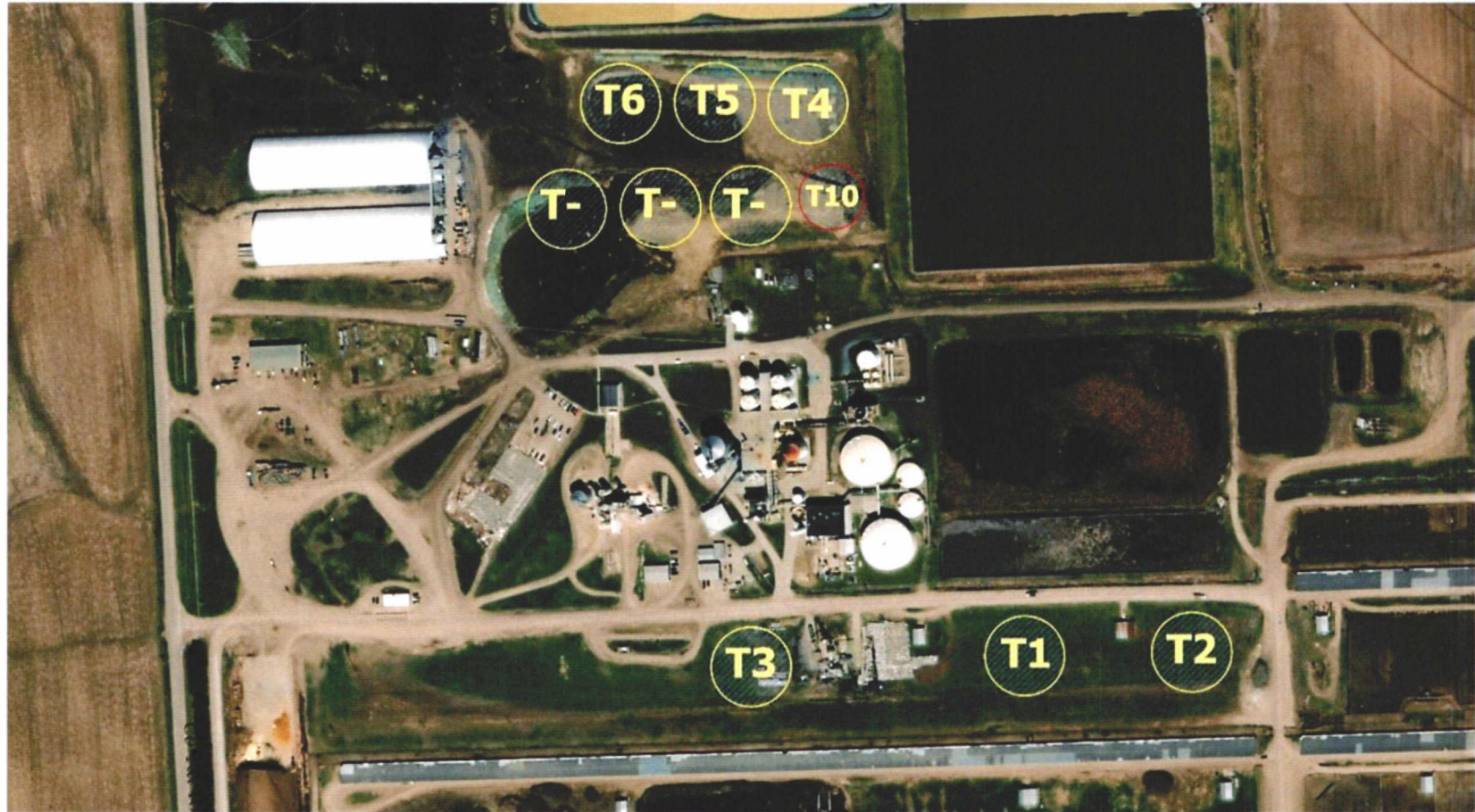


Address: 11344 County Road 10, Mead NE  
 NDEQ ID: 84069  
 Program ID: NE0137634





AltEn LLC - Poseidon Tank Location Map DRAFT



Address: 11344 County Road 10, Mead NE  
NDEQ ID: 84069  
Program ID: NE0137634

400 200 0 400 800 1,200 Feet



Photos: 1

Site Visit Report

Date Taken: 6-21-2021

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: North

Description: Stagnant water with vegetation starting to grow in sections of partially plugged culvert.





Photos: 2

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North of admin building.

Direction Facing: North

Description: Grading crew removing large pile of soil borrow material from area 1 on the site map.



Photos: 3

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northwest of the process building.

Direction Facing: East

Description: Clean Harbors wastewater treatment area.





Photos: 4

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast of the process building and north of the nutrient recovery building.

Direction Facing: South

Description: Material used for transferring water is being centralized in this area for use in the tank farm under construction.



Photos: 5

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: North of the southwest corner of the southeast lagoon

Direction Facing: South

Description: Very little change in lagoon water level and liner. The odor from this lagoon is very strong.





Photos: 6

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 5.

Direction Facing: West

Description: Poseidon tank 10 being filled with process water from the treatment system. Area 2 on the site map is to the right of the pump and portable lighting.



Photos: 7

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 5.

Direction Facing: Northwest

Description: Photo shows Poseidon tanks 4-6 and tank 10 on the left edge of the photo. The area in the center of the photo is close to completion for setup of tanks 7-9.





Photos: 8

Site Visit Report

Date Taken: 6-21-2021

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: Northeast

Description: Equalization pipe between the northeast and southeast lagoon aerial above the lagoon water.



Photos: 9

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East of the southwest corner of the northeast lagoon.

Direction Facing: West

Description: Section of liner torn and laying over the berm between the northeast and southeast lagoon.





Photos: 10

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southeast corner of the northeast lagoon.

Direction Facing: West

Description: Photo shows thick sludge accumulating in the corner and the torn section on the left side of the photo.



Photos: 11

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast corner of the northeast lagoon.

Direction Facing: West

Description: Exposed liner section after partial draw down of the lagoon.





Photos: 12

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: West of the northeast corner of the northeast lagoon.

Direction Facing: Southeast

Description: Additional section of this area of the liner now exposed and torn section is visible in the background.



Photos: 13

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast corner of the northwest lagoon.

Direction Facing: South

Description: Photo shows the lagoon water level drop with one of the two current whales visible.





Photos: 14

Site Visit Report

Date Taken: 6-21-2021

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 intact and currently showing no indication of seepage.



Photos: 15

Site Visit Report

Date Taken: 6-21-2021

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: Photo shows current water level of the lagoon.





Photos: 16

Site Visit Report

Date Taken: 6-21-2021

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: East

Description: Trench has a small amount of runoff in this section of the trench. The area drains to the east (area 7 on the site map) where it is pumped as needed.





Photos: 17

Site Visit Report

Date Taken: 6-21-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: South side of Biochar area.

Direction Facing: South

Description: Photo shows two rows of silt-fence around Biochar area with unknown vegetation die off under auger system.





Photos: 18

Site Visit Report

Date Taken: 6-21-2021

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: Thick solids continue to persist across the lagoon making extraction of lagoon water very difficult.



Photos: 19

Site Visit Report

Date Taken: 6-21-2021

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: West

Description: Northeast corner of the east wetcake storage area showing little accumulation of runoff.





Photos: 20

Site Visit Report

Date Taken: 6-21-2021

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: Northwest

Description: Very little accumulation of runoff from wetcake at the southeast corner of the east wetcake area. The wetcake does continue to slump further spreading closer to the berms surrounding the area.

At the time of the inspection there was no sign of seepage from the berms.

## NEBRASKA

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### Inspection and Assistance Exit Summary

NDEE ID: 84069 NDEE Program & ID: NE0137634/NER910444 NDEE Notification #: \_\_\_\_\_  
Inspection/Other ☒ yes Compliance Assistance Visit (CAV) ☐ no Permit Assistance Visit (PAV) ☐ no  
Facility/Operation Name: AltEn, LLC  
Address: 1344 CR 10  
City/Town: Mead County: Saunders  
Owner/Occupant/Operator Inspection Contact (S): Scott Tingelhoff

Inspection Date: 6/21/2021 Start Time: 10:00 End time: 12:30

Inspector: Jason Windhorst Phone #: 402-471-4205 Email Address: jason.windhorst@nebraska.gov

Concerns observed: none

Further Agency discussion needed to determine compliance: none

**Comments:**

Location	Inspected		Area Description	
	Yes	No		
1. Northeast side of the administration building	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Berm removed	
2. Southwest side of the south lagoon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	pumped <input checked="" type="checkbox"/>	not pumped <input type="checkbox"/>
3. West side of the northwest lagoon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	pumped <input checked="" type="checkbox"/>	not pumped <input type="checkbox"/>
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7. Berm northeast of hoop buildings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	pumped <input checked="" type="checkbox"/>	not pumped <input type="checkbox"/>

Actions to be performed immediately or as soon as reasonably practical: none

- Section of lagoon liner has torn loose and is laying across the berm between the northeast and southeast lagoon exposing soil to wastewater.

Please notify the inspection when the above actions are completed.

The Department will provide the 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 of the documented concerns will be considered in assessment of your voluntary compliance the summary was left with: Scott Tingelhoff. Please contact your inspector if you have any questions concerning this inspection and assistance exit summary.

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

6/22/2021

X Jason Windhorst

Jason Windhorst  
Inspector

Signed by: Windhorst, Jason

Inspection Contact Signature: Scott Tingelhoff