

Facility: AltEn, LLC
IIS: 84069
PCS: NE0137634

Jason Windhorst
5/14/2021

Site Visit Check list

Weather conditions: Clear skies
Temperature: 65 F
Wind: Northwest 9-16 (MPH)
Precipitation: 0.00

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 (pumped / <input checked="" type="radio"/> not pumped) |
| 2. Southwest side of the south lagoon | <input checked="" type="radio"/> Yes | No (<input checked="" type="radio"/> pumped / 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 received conditional authorization to pump emergency lagoon water to the industrial lagoons as needed through the weekend. They had not begun pumping while I was onsite.
- Clean Harbors is beginning to formulate a plan for the new Poseidon tank farm south of the Northwest lagoon. Several rolls of geotextile fabric (to add additional stabilization to the subgrade/foundation) were delivered last week and is being stored west of the administration building.
- James Cunningham the Sr. Project Manager for Clean Harbors walked the facility with me to better understand the requests by the State and familiarize himself more with the site. The AltEn site is becoming increasingly overgrown and will be difficult to access some areas if left to continue to grow.

B. Lagoons

1. Northeast lagoon
 - No change in liner condition or lagoon water observed.
2. Northwest lagoon
 - No change in liner condition or lagoon water observed except for a small whale that has reemerged in the southeast corner.





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3. South lagoon

- No change in liner condition observed.

AltEn LLC - Storm Water Temporary BMP Check Map



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: 5-14-2021

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 has had periodic flow and appears slightly clearer than it was on the last site visit.



Photos: 2

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: West edge of the emergency lagoon.

Direction Facing: East

Description: No pumping was observed during the site visit, only additional solids floating over most of the lagoon.



Photos: 3

Site Visit Report

Date Taken: 5-14-2021

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: Northwest

Description: Area diverted from the first bermed section consisting of access roads and parking.



Photos: 4

Site Visit Report

Date Taken: 5-14-2021

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: East

Description: Berm diverting access road and parking lot runoff.



Photos: 5

Site Visit Report

Date Taken: 5-14-2021

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: East

Description: First bermed area holding excess runoff, ponded water and has a green hue.



Photos: 6

Site Visit Report

Date Taken: 5-14-2021

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: Bermed area was recently pumped and appears to be in good condition.



Photos: 7

Site Visit Report

Date Taken: 5-14-2021

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: Northeast

Description: Lagoon is bubbling across the majority of the lagoon and black foam is accumulating along the edges again.



Photos: 8

Site Visit Report

Date Taken: 5-14-2021

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: East

Description: Small berm around the pumping operation at the lagoon area.



Photos: 9

Site Visit Report

Date Taken: 5-14-2021

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: Stretched section of the northeast lagoon liner and small whale that recently reemerged.



Photos: 10

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Midway along the west side of the northeast lagoon

Direction Facing: East

Description: Little change observed in the northeast lagoon. The lagoon showed minimal degassing and liner movement. The lagoon level was higher than the last week due to the pumping from the emergency lagoon.



Photos: 11

Site Visit Report

Date Taken: 5-14-2021

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 northwest lagoon.

Direction Facing: South

Description: Persistent whale stationary along the south side of the lagoon.



Photos: 12

Site Visit Report

Date Taken: 5-14-2021

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: West

Description: Berms are in good condition and have no evidence of seepage. Clean Harbor's is improving access around the northwest wet cake and maintaining any seepage points in the berm.



Photos: 13
Site Visit Report
Date Taken: 5-14-2021
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: Southwest
Description: Clean Harbor is using a backhoe to manage wet cake in order to increase drainage and consolidate material from the central storage area.



Photos: 14

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Southwest of the northwest lagoon.

Direction Facing: Southwest

Description: New berm being constructed enclosing the northwest wet cake storage area. Drainage is directed to the same area that area 5 was trenched to.



Photos: 15

Site Visit Report

Date Taken: 5-14-2021

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: North

Description: Berm has been moved to the north and raised in order to decrease ponding. Water is diverted from the outside of the berm through regrading the area to drain to the west away from the wetcake area.



Photos: 16

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: East side of the administration building

Direction Facing: East

Description: Material being centralized for action in this area and southwest of the distillation pad.



Photos: 17

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: South side of the Biochar pad.

Direction Facing: South

Description: The Biochar on the ground around the pad was pointed out to Clean Harbors in order to show what areas and material need to be cleaned up.



Photos: 18
Site Visit Report
Date Taken: 5-14-2021
Photographer: Jason Windhorst
Facility Name/ Project Name: AltEn LLC
Facility IIS number / Project identifier: IIS: 84069 / NE0137634
Location: East side of Biochar.
Direction Facing: East
Description: Area that has been cleaned up and had Biochar removed.



Photos: 19
Site Visit Report
Date Taken: 5-14-2021
Photographer: Jason Windhorst
Facility Name/ Project Name: AltEn LLC
Facility IIS number / Project identifier: IIS: 84069 / NE0137634
Location: Area 6 on the site map. (Northeast corner of wetcake)
Direction Facing: North
Description: Reinforced berm holding and not showing signs of seepage.



Photos: 20

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 19.

Direction Facing: South.

Description: Clean berm showing no sign of seepage and most of material cleaned up from the lower berm.



Photos: 21

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map. (southeast corner)

Direction Facing: North

Description: Runoff beginning to pond behind the berm.



Photos: 22

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map. (southwest corner)

Direction Facing: North.

Description: Berm holding and no sign of seepage or ponding.



Photos: 23

Site Visit Report

Date Taken: 5-14-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn LLC

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

Location: Administration building parking lot

Direction Facing: Northwest

Description: Geotextile fabric for soil stabilization at proposed Poseidon tank farm.

NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY

Inspection and Assistance Exit Summary

NDEE ID: 434069 NDEE Program & ID: NE0137634/NER910444 NDEE Notification #: _____

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

Facility/Operation Name: AI+En

Address 1344 CR 10

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

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

Inspector	Phone No	E-Mail address
<u>Jason Windhorst</u>	<u>4024714205</u>	<u>jason@windhorst</u> @nebraska.gov
		@nebraska.gov

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

Inspection Date: 5-14-2021 Start Time: 10:00 End Time: 1230

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

☐ Concerns observed:

Area - 1 - Berm is holding & no sign of seepage - can be pumped
2 - Berm was pumped & still in good condition
3 - Berm reinforced more & no sign of seepage - not enough to pump
4 - no concern
5 - Berm moved North further & reinforced/compacted - no pumping needed
6 - lower berm removed & most of runoff pumped out.

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

- Brokaw area in need of material removed from the ground ~~which~~ primarily on the south side.

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.

Jim Windhorst
Inspector Signature

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

Mary Tingelhoff
Inspection Contact Signature

revised 11/19/19