

Facility: AltEn  
IIS: 84069  
PCS: NE0137634

Jason Windhorst  
3-23-2021

## Site Visit Check list

Weather conditions: Cloudy and rain (1" ± 0.25" rainfall)

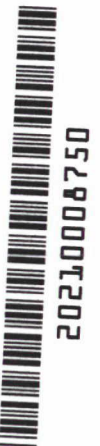
Temperature: 45 F

### 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 |
| 2. Southwest side of the south lagoon            | Yes | No |
| 3. West side of the northwest lagoon             | Yes | No |
| 4. West side of the north wet cake pile          | Yes | No |
| 5. County Road 10 (Hoop building).               | Yes | No |
| 6. East wet cake pile                            | Yes | No |

### Comments:

- Upon arriving I stopped by the SW Outfall 001 area to check flow conditions. The area continued to have dark water with a sheen and was flowing through the culvert. (I checked this area before leaving and it did not indicate that water that had breached the two containment areas had reached it at that time.)
- Steady rainfall throughout the day made driving to any of the locations onsite difficult so the entire site was inspected by foot except for area 6 which was accessed via county road 9.
- Area 1 and 2 had overflowed and water was bypassing the berm containment. Both areas were discharging to the ditch on the south side of the southeast lagoon.
- The berm at area 3 west of the northwest lagoon was intact and was holding at the time of the inspection. Water was pooling on the north side of the berm between area 3 and 4 from runoff from the adjacent field.
- The berm along the access road at area 5 west of the hoop buildings was intact and had not overflowed or breached at the time of the inspection. The pooled runoff had backup to point that it was flowing to the east of the north hoop building.
- During the site visit there was no pumping taking place anywhere onsite
- I spoke with the Clean Harbors employees onsite to inquire on their current activities and plans for the rest of the week. They said they were assembling equipment and were waiting for direction on what their next activity would be. They mentioned that they could



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not proceed on any treatment activities until lab testing results were confirmed and approved.

- The emergency lagoon was also examined to assess the remaining capacity. The east side of this lagoon appeared to have approximately 2.5'-3.0' of freeboard at the east side at the lowest point on the berm.
- The hurricane tank was also measured using a distance measuring wheel and tape measure. The accuracy of the circumference measurement was difficult due to site conditions and was measured at approximately 1' outside the tank. The estimated volume is 2,250,000 and 2,484,712 gallons when full based upon the approximated circumference and measured height.

### **B. Lagoons**

1. Northeast lagoon – No change.
2. Northwest lagoon – No change.
3. South lagoon – No change.

AltEn LLC - Storm Water Temporary BMP Check Map



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







Photo: 1

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Culvert north of county road 9 and J.

Direction Facing: West

Description: Discharge point for most of the storm water discharging from AltEn. There was still a sheen visible on the water and continued to appear very dark in color with a strong odor.

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Photo: 2

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Area 1 on map north of Admin building

Direction Facing: North

Description: Storm water from wetcake area is bypassing the berm in this area and flowing through the equipment storage area.



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Photo: 3

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: GPS 41.19758, -96.47793

Direction Facing: Southeast

Description: Storm water and wetcake runoff pooled after overflowing berm at area 1 on the map.

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Photo: 4

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: GPS 41.19764, -96.47732

Direction Facing: South

Description: Berm overflow at area 2 on the map.





Photo: 5

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: GPS 41.19846, -96.48293

Direction Facing: North

Description: Bermed area west of the hoop buildings in area 5 of the map. The berm is retaining runoff and has no visible signs of failure. The runoff is backing up and discharging to the east on the north side of the hoop buildings.



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Photo: 6

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Approximately 150' east of the SW corner of the north hoop building

Direction Facing: Northeast

Description: Rotting piles of seed dumped along the south side of the north hoop building.



Photo: 7

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Paved area east of the hoop buildings.

Direction Facing: East

Description: Runoff from the hoop building area combines with runoff from wetcake storage can be seen accumulating in area 2 on the map.



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Photo: 8

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: NW corner of AltEn property north of west wetcake storage.

Direction Facing: South

Description: Runoff from the windrowed wetcake in west storage area. Storm water and wetcake runoff collects behind berm west of hoop buildings.



Photo: 9

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: 40' east of the northwest corner of the west wetcake storage.

Direction Facing: East

Description: Runoff from adjacent field pooling behind the berm on the north side of the wetcake storage area. The berm is holding and does not indicate any point of failure along the north side at area 4 on the map.



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Photo: 10

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Northwest of the NW corner of the NW lagoon.

Direction Facing: Southeast

Description: Berm in area 3 on the map is intact and there is no indication of overflow or breach.



Photo: 11

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: North of the NW corner of the NW lagoon.

Direction Facing: South

Description: Lagoon appears to be below freeboard.



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Photo: 12

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: North side of northwest lagoon

Direction Facing: South

Description: Large whale in northwest lagoon.

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Photo: 13

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Northeast corner of the northeast lagoon

Direction Facing: Southwest

Description: No change in the status of the northeast lagoon.



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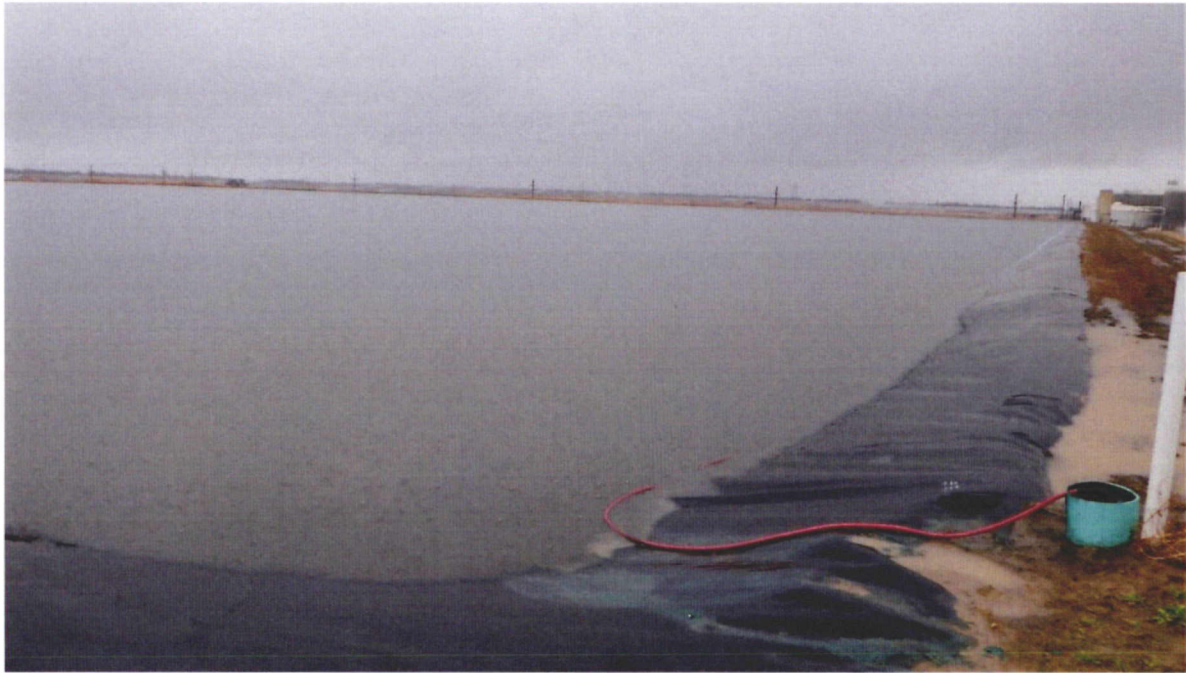


Photo: 14

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Northwest corner of the southeast lagoon.

Direction Facing: Southeast

Description: Vent for conveyance line for wastewater to the northwest lagoon. Wastewater was moving from the southeast to the northeast lagoon while onsite.

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Photo: 15

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Northwest corner of the southeast lagoon.

Direction Facing: Southwest

Description: Area collecting stormwater and wetcake runoff near the southwest corner of the southeast lagoon. Area 2 on the map was inundated at the time the photo taken due to periodic heavy precipitation.



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Photo: 16

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: Southwest corner of the emergency lagoon.

Direction Facing: Northeast

Description: Lagoon is very full and was within 2.5' of the top of the east side.

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Photo: 17

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: North side of Hurricane tank.

Direction Facing: Southeast

Description: Tank contents appeared to be within 3' of the top of the tank.



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Photo: 18

Date Taken: 3-23-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

Facility IIS number / Project identifier: IIS: 84069, NE0137634/ NER910444

Location: GPS 41.19635, -96.46479

Direction Facing: Southeast

Description: Ditch bank full and beginning to back up to containment berm for east side of east wetcake storage area.

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### Inspection and Assistance Exit Summary

NER910444

NDEE ID: <u>54069</u>		NDEE Program & ID: <u>NE0137634</u>		NDEE Notification #: _____	
<input type="checkbox"/> Inspection/Other		<input type="checkbox"/> Compliance Assistance Visit (CAV)		<input type="checkbox"/> Permit Assistance Visit (PAV)	
Facility/Operation Name: <u>Alt En</u>					
Address <u>11344 County Rd 10</u>					
City/Town: <u>Mead</u> , County <u>Saravalia</u> , State of Nebraska.					
Owner/Occupant/Operator Inspection Contact(s): <u>Scott Tinglehoff</u>					
Inspector		Phone No		E-Mail address	
<u>Jason Windhorst</u>		<u>402A714305</u>		<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: 3-23-2021 Start Time: 11:15 End Time: 14:15

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

☒ Concerns observed:

Bypassed North side of main office - Pump out as soon as possible + repair berm

Bypassed SW side of Southeast Lagoon - Pump out as possible

OK - West side of NW lagoon - monitor & pump as needed

OK - West side of NW wet cake pile - monitor & pump as needed

OK - East wet cake area East berm - Pump as soon as possible

- emergency lagoon is reaching low on capacity, east side is close to freeboard

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

Continue to monitor berms & pump as needed to avoid discharge &/or berm failure

- Provide status of pumping & berm repairs to Brad

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.

Jason Windhorst  
Inspector Signature

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

Scott Tinglehoff  
Inspection Contact Signature

revised 11/19/19