

Facility: AltEn
IIS: 84069
PCS: NE0137634

Jason Windhorst
3-19-2021

Site Visit Check list

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 |
| 2. Southwest side of the south lagoon | <input checked="" type="radio"/> Yes | No |
| 3. West side of the northwest lagoon | <input checked="" type="radio"/> Yes | No |
| 4. West side of the north wet cake pile | <input checked="" type="radio"/> Yes | No |
| 5. County Road 10 (Hoop building). | <input checked="" type="radio"/> Yes | No |
| 6. East wet cake pile | <input checked="" type="radio"/> Yes | No |

Comments:

- Upon arriving I stopped by the SW Outfall 001 area to see if the area was still being pumped out. There was no one at this location working, the water in this area was very dark and had a sheen.
- The bermed area at location 1 was being pumped out while I was onsite.
- The bermed area at location 2 was full and was going to be pumped out later today or tomorrow.
- The bermed area at location 3 appeared to have liquid seeping through the berm and was pooling outside of the containment. I requested that they repair this area as soon as possible.
- The bermed area at location 4 was repaired and no wetcake was on the berm. The bermed area at location 5 was being pumped out while I was onsite.
- The bermed area at location 6 was holding while I was onsite but was getting very full toward the SW corner. On the east side of location 6 there was dark liquid pooled from an unknown source. It did not appear that the berm at location 6 had seep passing through from the wetcake are and may have been from the previous rain event.

B. Lagoons

1. Northeast lagoon – The NE lagoon was at or close to freeboard and had flow from the SE lagoon flowing into it. A whale had actively degassed while onsite creating volume for the SE to flow in to at the pipe connecting the two lagoons.



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2. Northwest lagoon – The NW lagoon also had flow into the NE lagoon and there were three whales were visible. The largest was increasing in size during the time onsite potentially displacing the lagoon water.
3. South lagoon – The South lagoon was close to or at freeboard and was very dark brown with oily black material clumping along the north edge.

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

NOTE: Time stamp is one hour behind due to Daylight Savings.



Photo: 1

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Culvert north of CR 9 & CR J

Direction Facing: Southeast

Description: Stagnant water with a sheen visible. There did not appear to be any flow through the culvert at the time of the visit.



Photo: 2

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Area 5 on map

Direction Facing: Northwest

Description: Pumps set up to finish pumping runoff from the west wetcake storage area. This area is being pumped to area 2.



Photo: 3

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Area 6 – East wetcake storage area

Direction Facing: South

Description: Berm along the east edge of the storage area with runoff collecting inside berm. There was no indication that runoff was seeping through the berm at the time of the site visit.



Photo: 4

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Midway along the east wetcake stockpile east berm.

Direction Facing: South

Description: Repaired section of berm along east side requested on 3-17-2021 site visit.



Photo: 5

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Northeast corner of the southeast lagoon

Direction Facing: South

Description: The SE lagoon at this location appears to be within freeboard and liner is intact.



Photo: 6

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Approximately 220' West of the NE corner of the SE lagoon

Direction Facing: West

Description: SE lagoon on the left and NE lagoon on the right side of the photo. The SE lagoon had black viscous material collection along the edge of the lagoon and flow between the lagoons reversed from NE -> SE to SE -> NE. A whale degassing in the NE lagoon also took place which coincide with the reversal.



Photo: 7

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Near the SW corner of the NE lagoon.

Direction Facing: Northwest

Description: Pipe between the SE and NE lagoon showing the flow reversal.



Photo: 8

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Southeast corner of the NW lagoon

Direction Facing: Northwest

Description: Three whales are visible at the time of the site visit. There was no flow observed between the NE and NW lagoon.

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Photo: 9

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Approximately 170' west of the NE lagoon SE corner.

Direction Facing: Northeast

Description: Location of degassed whale in the NE lagoon. Liner sections are visibly moving with gas buildup.



Photo: 10

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Between area 3 and 4 on the site map along the north side of the wet north wetcake storage.

Direction Facing: West

Description: Berm repaired along the north side showing additional soil added to the berm.



Photo: 11

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Area 3 on the site map.

Direction Facing: South

Description: The northeast corner of the bermed area to contain wetcake runoff showing active seep through the berm. I requested additional measures to be taken to repair or reinforce this section of the berm.



Photo: 12

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Area 1 on the site map north of the office building

Direction Facing: North

Description: Bermed area used to contain runoff from the wetcake storage area southeast of the hoop buildings. The berms in this area appear to be stable.



Photo: 13

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Area 2 on the site map

Direction Facing: Northwest

Description: Bermed area along the fence line used to contain additional runoff from area 1.



Photo: 14

Date Taken: 3-19-2021

Photographer: Jason Windhorst

Facility Name/ Project Name: AltEn

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

Location: Area 2 on the site map.

Direction Facing: Northeast

Description: Pooled runoff from area 5 and area 1 along with runoff captured from the area north of area 1.

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Inspection and Assistance Exit Summary

NDEE ID: <u>84069</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>AltEn</u>			
Address <u>11344 County Rd 10</u>			
City/Town: <u>Mead</u> , County <u>Saunders</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>4024714205</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: 3-19-2021 Start Time: _____ End Time: _____☐ No concerns observed☐ Further agency discussion needed to determine compliance☒ Concerns observed:

- Please add more soil to the berm at the NE corner of the North Wetake Storage area (Adjacent to the NW corner of the West Lagoon).
- The rise of the bermed areas appear to be holding but must be monitored daily.

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