

## Pracheil, Brad

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**From:** Pracheil, Brad  
**Sent:** Friday, March 12, 2021 4:52 PM  
**To:** Scott Tingelhoff  
**Cc:** Anderson, Reuel; Pracheil, Brad  
**Subject:** Thursday visit  
**Attachments:** Thursday visit.docx

hard copy to follow

Brad

### Brad Pracheil

Division Administrator  
Inspection & Compliance

### Nebraska Department of Environment and Energy

P.O. Box 98922  
Lincoln, Nebraska 68509-8922

DIRECT 402-471-4141

<http://dee.ne.gov>



## Site Visit Inspection Form

### GENERAL INFORMATION

Facility Name AltEn, LLC					
Industrial Storm Water (ISW) NER910444				NDEQ ID / Program ID 84069	
INSPECTOR (s) Mark Pomajzl, Reuel Anderson and Jason Windhorst					
ADDRESS 1344 County Road 10		CITY Mead	COUNTY Saunders	STATE NE	ZIP CODE 68041
INSPECTION DATE 3-11-21	TIME/ARRIVAL 10:00am	TIME DEPARTURE 1:40pm	WEATHER Clear, cool		TEMP 50F

### Certifying Official

NAME Tanner Shaw			
POSITION/TITLE President			
BUSINESS NAME AltEn, LLC			
QUARTER N1/2, SW1/4	SECTION 12	TOWNSHIP N 14	RANGE E 8
DIRECTIONS TO SITE From Airport, Highway 92/77 (Rd M) -3E, Rd 13-0.75, W Side		LATITUDE 41.19714	LONGITUDE -96.48081

### Authorized Representative

NAME: Scott Tingelhoff					
POSITION/TITLE General Manager					
BUSINESS NAME AltEn, LLC					
ADDRESS 1344 County Road 10		CITY Mead	COUNTY Saunders	STATE NE	ZIP CODE 68041
TELEPHONE NUMBER (H) 1-402-443-6262	TELEPHONE NUMBER (W) 1-402-624-2000	TELEPHONE NUMBER (C)		EMAIL stingelhoff@mrgkc.com	

### SITE OBSERVATIONS

#### Opening conference

Reuel Anderson, Jason Windhorst and Mark Pomajzl (myself) arrived at the facility on or about 10:00am. We asked to speak with Mr. Tingelhoff (General Manager). Mr. Tingelhoff arrived and escorted us to the conference room. We explained that we needed to inspect the wet cake piles. We also explained we would request storm water control installation in preparation for the potential weekend storm event. We also stated we would provide requests for future storm water controls. Mr. Tingelhoff then contacted Mr. Dean Egr to provide the tour.

#### Observation Point 1 (OP1), Map 1

OP1 is north of the main office building, photos 1, 2, 3 and 4. We instructed Mr. Egr to construct berms along the southwest side of the pile. We informed Mr. Egr that the berms need to be worked at a height of two feet high and a three to one slope.

#### Observation Point 2 (OP2), Map 1

OP2 is the northeast corner of the northwest lagoon, photo 5. We informed Mr. Egr that they will need to reinforce this corner. We also stated for long term this berm and all berms will need to be stabilized with temporary erosion controls, single net blankets, or hydroseeded with tackifier.



**Observation Point 3 (OP3), Map 1**

We then inspected the berm on the northeast pile. There is an area of wet cake pushed up against the berm, photo 6. We explained that due to potential exposure this wet cake needed to be pushed back behind the berm.

**Observation Point 4 (OP4), Map 1**

We continued to inspect the west side of northeast wet cake pile. We observed the slope in this area can potentially discharge in the adjacent drainage ditch, photo 7. We told Mr. Egr that a berm will need to be installed around the west side of the pile. On the south side near the hoop building we observed pooled water, photo 8. This is a truck entry road. This area acts like a berm due to the observed pooled water. This road previously contained a culvert. Mr. Egr stated that they removed the culvert to prevent water from exiting the wet cake pile. We instructed Mr. Egr to raise the berm/road to prevent possible overflows.

**Observation Point 5 (OP5), Map 1**

We then inspected the area between the north wet cake pile and southeast pile. This area is adjacent the north hoop building, photos 9. We instructed Mr. Egr to construct a berm between the two piles. This berm will help slow flow velocity.

**Observation Point 7 (OP7), Map 1**

Mr. Egr then escorted us to the southeast side of the south lagoon, photo 10. This area contains a berm which collects storm water from area west and northwest. There is a low area observed on the south side of the berm, photo 11. We explained to Mr. Egr that the conveyance appears to direct water away from the berm. We instructed Mr. Egr to redirect flow by raising and extending the berm to the southwest.

**Observation Point 6 (OP6), Map 1**

We then drove to the east wet cake pile. We observed the recently constructed berm, photo 12. There are areas of pooled water. I asked if they had pumped from this berm. Mr. Egr stated no they had not. To prevent seepage, we explained they needed to reinforce the south half of the berm. We also instructed Mr. Egr to install a berm around the entire pile.

**Exit Interview and Exit Summary**

We then provided two exit summaries. Summary one explained which controls were needed for the weekend forecasted storm event. The second listed future storm water installations. Mr. Tingelhoff explained that he could not promise the weekend controls would be completed. We had suggested the facility use/rent a road grader. Mr. Tingelhoff stated that he could not rent one. We explained and added to the exit summary that they could use a road grader or equivalent equipment. We also explained that all accumulated stormwater will be recovered and treated through the temporary onsite system. This is also stated on the exit summary form.

●**Note:** This report contains two maps. Map 1 contains existing berms and observation points; Map 2 contains the Departments storm water requests.

**Summary:** Based on the observations AltEn LLC needs to take action to prevent the discharge of storm water from the wet cake storage piles. There is a direct need to accomplish this prior to the forecasted rain this weekend. The action will include the construction of a berm around the wet cake storage areas with specific attention to points 4, 6, and 7 indicated on the attached map. These three areas can accumulate the largest amounts of storm water from wet cake storage and are susceptible to berm failure and discharge. These three areas need to have reinforced berms and the water removed routinely. Removed water will be treated through the temporary treatment system in place for mitigating the digester spill. Damage to existing and constructed berms must occur immediately.

Following this weekend, the existing and constructed berms will be reworked and built to a minimum height of two feet with a 3 to 1 slope. The berms will be stabilized with properly installed erosion control blankets or sprayed with a hydroseeded mulch or tackifier.

Inspector: Mark Pomajzl

Date: 3-12-21

**Attached:**

- Photos
- GIS Map (s)
- Exit Summary



## ATTACHMENT I Photographs



Photo: 1

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: North of office building

Direction Facing: West

Description: Saturated soils where wet cake had been removed. We instructed Mr. Egr that they need to install a berm along this area to prevent storm water from entering/exiting the wet cake area. We also discussed the distance between the berm and pile. This distance could be up to 12 feet to allow equipment to pass between the pile and berm. The berm will also need to be 2 feet high with a 3 to 1 side slope.





Photo: 2

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 1

Direction Facing: Northeast

Description: Area of windrowed wet cake. The constructed berm would be to the right of the area depicted in the photo.



Photo: 3  
Site Visit Report  
Date Taken: 3-11-2021  
Photographer: Mark Pomajzl  
Facility Name/ Project Name: AltEn LLC  
Facility IIS number / Project identifier: IIS: 84069 / NE0137634  
Location: Same as photo 1  
Direction Facing: Northeast  
Description: Wet cake windrows. Standing liquid at the bottom edge.





Photo: 4

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Same as photo 1

Direction Facing: Northwest

Description: Open area showing available surface that could potentially sheet flow to the wet cake area east of the hoop buildings. A constructed berm would redirect this sheet flow from the wet cake windrows.



Photo: 5

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast side of the new lagoon

Direction Facing: West

Description: Berm showing unconsolidated fill and animal burrow. We instructed Mr. Egr to reinforce this area and repair the burrow. The reinforcement is to provide stability so storm water pressure would not breach the system.





Photo: 6

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast side of the north wet cake pile.

Direction Facing: South

Description: This photo depicts wet cake piled over the containment berm and into the adjacent field. We instructed Mr. Egr to push this pile back behind berm.



Photo: 7

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: At northwest corner of the north wetcake storage area near the irrigation well at NW corner of facility

Direction Facing: South

Description: Windrowed wet cake and stockpiles along the west edge of the storage area. County road 10 is adjacent to the storage area visible the photo. Due to topography of the area, we instructed Mr. Egr to construct a berm along the ditch and county road 10.





Photo: 8

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Approximately 120' northwest of the north hoop building

Direction Facing: Southeast

Description: Storm water and wetcake runoff area collection area. Runoff is collected and diverted east from this location or pumped out and sent to treatment system. The area is a truck entry road. The facility uses this road to load and unloading wet cake. We instructed Mr. Egr to build up this area to prevent possible runoff from this containment.





Photo: 9

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Approximately 300' east of the north hoop building

Direction Facing: Southwest

Description: Temporary access road with 4" pvc pipe used as culvert. We instructed Mr. Egr to install a berm area inside this general area to reduce velocity flow.





Photo: 10

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Approximately 300' northwest of the southwest corner of the southeast lagoon.

Direction Facing: Southeast

Description: Area used to retain storm water and wet cake runoff. The facility had recently pumped this containment into the south lagoon.





Photo: 11

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Approximately 150' northwest of the southwest corner of the southeast lagoon.

Direction Facing: West

Description: Runoff from the south edge of the west wet cake storage follows the fence line to the area used to retain storm water and wet cake runoff noted in previous photo. There is a low area in the middle of the photo. This area appears to direct water away from containment. We directed Mr. Egr to extend and raise the berm to ensure that all storm water enters the containment.





Photo: 12

Site Visit Report

Date Taken: 3-11-2021

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: East wet cake pile

Direction Facing: North

Description: This photo depicts the east wet cake pile. There is some pooled water (arrow). We instructed Mr. Egr that they construct a berm around the entire pile.



## Map 1

AltEn LLC - Storm Water Existing Berms  
March 11, 2021



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

500 250 0 500 1,000 1,500 2,000 Feet



## Map 2

AltEn LLC - Storm Water Requests  
March 11, 2021



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

400 200 0 400 800 1,200 1,600  
Feet

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DEPT. OF ENVIRONMENT AND ENERGY

## Inspection and Assistance Exit Summary (1)

NDEE ID: <u>84069</u> NDEE Program & ID: <u>NEB1271534</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>Ait En LLC</u>			
Address: <u>11344 County Road 10</u>			
City/Town: <u>MEAD</u> , County: <u>Saunder's</u> , State of Nebraska.			
Owner/Occupant/Operator Inspection Contact(s): <u>Scott Tingelhoff</u>			
Inspector: <u>Rachel Anderson</u>	Phone No: <u>402-471-1317</u>	E-Mail address: <u>rachel.anderson@nebraska.gov</u>	
<u>Mark Donagel</u>	<u>402-471-2436</u>	<u>mark.donagel@nebraska.gov</u>	
<u>Tara Whitworth</u>	<u>402-471-4205</u>	<u>tara.whitworth@nebraska.gov</u>	
Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922			

Inspection Date: 3-11-21Start Time: 10:00am End Time: 1:40pm☐ No concerns observed☐ Further agency discussion needed to determine compliance☒ Concerns observed:—

- \* Southside Channel Southeast Lagoon, Raise Bermed Area to direct flow to stormwater retention area
- \* EASE Pile Storage Area: Place Beem around wet cake pile
- \* Reinforce East Bermed East Storage Area
- \* Stormwater Retained from wet cake piles will need to be removed & placed into treatment system
- Keep stormwater that collects at cake piles from being all in property. Accumulated stormwater that collects at cake piles will be detained, removed and treated.
- ☒ Actions to be performed immediately or as soon as reasonably practical: Treatment is through the treatment system on site
- Weekend (Request) prior to final exit statement
- \* Install Beams (with round stacks) (or equivalent equipment)
- \* Install Beam Southside of Southeast Pile for stormwater to prevent stormwater from <sup>upstream</sup> area
- \* Reinforce Northern - Caswell Bay Beam Area with <sup>upstream</sup> beam
- \* Remove wet cake from Beam (Northside Caswell North Storage area)
- \* Install (crete) Beam West side of North Storage area

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

[Signature]  
Inspector Signature

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

[Signature]  
Inspection Contact Signature

revised 11/19/19



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## Inspection and Assistance Exit Summary (2)

NDEE ID: <u>34060</u>		NDEE Program & ID: <u>NE-0157/134</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>A+E LLC</u>					
Address: <u>11344 County Road 10</u>					
City/Town: <u>Alexia</u> , County: <u>Seward</u> , State of Nebraska.					
Owner/Occupant/Operator Inspection Contact(s): <u>Scott Tinglehoff</u>					
Inspector	Phone No	E-Mail address			
<u>Scott Tinglehoff</u>	<u>402 471 3836</u>	<u>stinglehoff@nebraska.gov</u>			
<u>Kevin Anderson</u>	<u>402 471 1367</u>	<u>kanderson@nebraska.gov</u>			
Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922					

Inspection Date: 3-11-21 Start Time: 10:00 End Time: 1:40pm☐ No concerns observed☐ Further agency discussion needed to determine compliance☒ Concerns observed:

Existing and temporary berms need to be re-worked and stabilized. These berms need to be re-worked to a minimum height of 2 feet with a 3:1 slope. Berms need to be stabilized with temporary erosion control. This can be single net blanket, seed, mulch and mulch, or hydroseeded with tackifier.

Berms will surround wet cake piles and prevent rainfall runoff from entering. Actions to be performed immediately or as soon as reasonably practical: off A+E LLC property. This is documented in contact with wet cake.

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.

Inspector Signature

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

Inspection Contact Signature

revised 11/19/19