

Facility: AltEn, LLC

IIS: 84069

PCS: NE0137634

Mark Pomajzl

5/26/2021

Site Visit Report

Weather conditions: Clear to Partly Cloudy

Temperature: 80 F

Wind: South 15-25 (MPH)

Precipitation: Nonce

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 water accumulation |
| 5. County Road 10 (Hoop building). | <input checked="" type="radio"/> Yes | Trenched to Area 2 |
| 6. East wet cake pile | <input checked="" type="radio"/> Yes | No (pumped / <input checked="" type="radio"/> not pumped) |

Comments: (Due to camera malfunction, I was unable to photograph areas 4, 5 and 6)

- Area 1 contains two berms. The original east berm contains green water and needs to be pumped to make room for upcoming rain event
- Areas 2: The facility is currently pumping the berm to the emergency lagoon.
- Area 3 is in good condition. No seepage observed.
- Area 4 is in good condition. No seepage observed.
- Area 5 is in good condition. No seepage observed.
- Clean Harbors has finished the berm around the Area 6 pile. No seepage observed. Some totes used to transport water from area 6 are stained with corrosive chemical.

B. Lagoons (Clean Harbors is not pumping from the lagoons at this time, the treatment facility is at capacity)

- Northeast lagoon
 - No change with the liners. The lagoon is releasing gas in multiple locations.
 - The facility is recirculating water from the pumping station into the northeast lagoon.
 - Vegetation is growing fast around the lagoon. Vegetation is a possible tripping and falling hazard.
- Northwest lagoon
 - Vegetation is growing fast.
 - No change in the liners.



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3. South lagoon

- Vegetation is beginning to take over the south and east dike. Vegetation is becoming a tripping and falling hazard.

C. Biochar

- Clean Harbors has installed a new silt fence (trenched in). The silt fence does not contain all the spilled biochar product.

D. Notes

- × The facility is moving wet cake on the south side of the northwest lagoon, see photos.
- × Vegetation is becoming a problem. I observed an increasing amount of vegetation along the south lagoon dikes.
- × Vegetation is also growing fast along the storm water ditch south of the digester and Biochar Process.



Photo: 1

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 1 on the site map

Direction Facing: North

Description: This is the original east berm. There is some water accumulation but no seepage observed. I mentioned to the facility that this needs to be pumped before the next rain event.



Photo: 2

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 1 on the site map

Direction Facing: North

Description: This is the west berm in area 1. There is only minor water accumulation. There is no seepage observed.



Photo: 3

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

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: This is the pump used to transfer water from area 2 to the emergency lagoon. The pump is running which is depicted on photo 4.



Photo: 4

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 2 on the site map

Direction Facing: North

Description: Clean Harbors is actively pumping down area 2. This photo depicts the hose beginning to be above the water line (arrow).



Photo: 5

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 3 on the site map

Direction Facing: Northwest

Description: No seepage observed.



Photo: 6

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: South

Description: This photo depicts the newly installed silt fence.



Photo: 7

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: West

Description: This photo depicts that workers installed silt fencing and absorbent socks around the biochar hopper to prevent runoff.



Photo: 8

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: East

Description: This photo depicts spilled biochar outside the silt fence. The silt fence does encompass all the spilled biochar in the area.



Photo: 9

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northwest lagoon

Direction Facing: East

Description: This photo depicts the depth gauge.

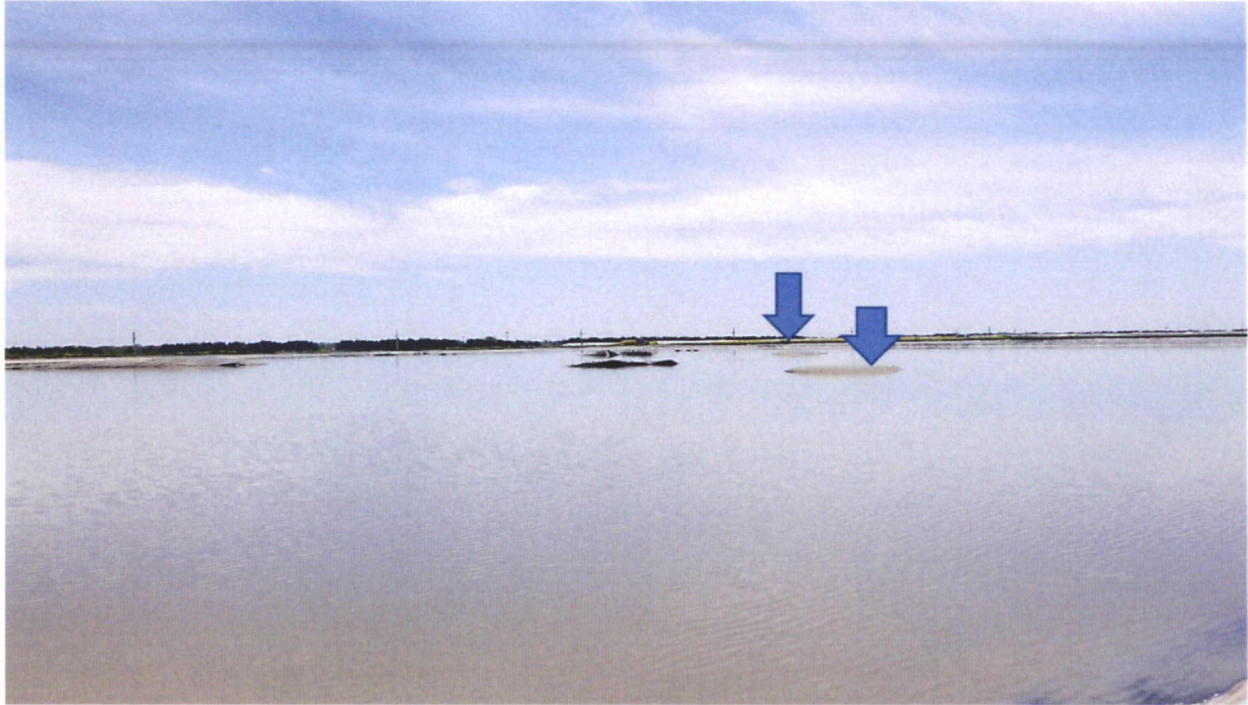


Photo: 10

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast lagoon

Direction Facing: Southeast

Description: This photo depicts two additional whales in the northeast lagoon.



Photo: 11

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South lagoon

Direction Facing: Southwest

Description: This photo depicts the depth gauge.



Photo: 12

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast lagoon

Direction Facing: Southwest

Description: This photo depicts the depth gauge.



Photo: 13

Site Visit Report

Date Taken: 5-26-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

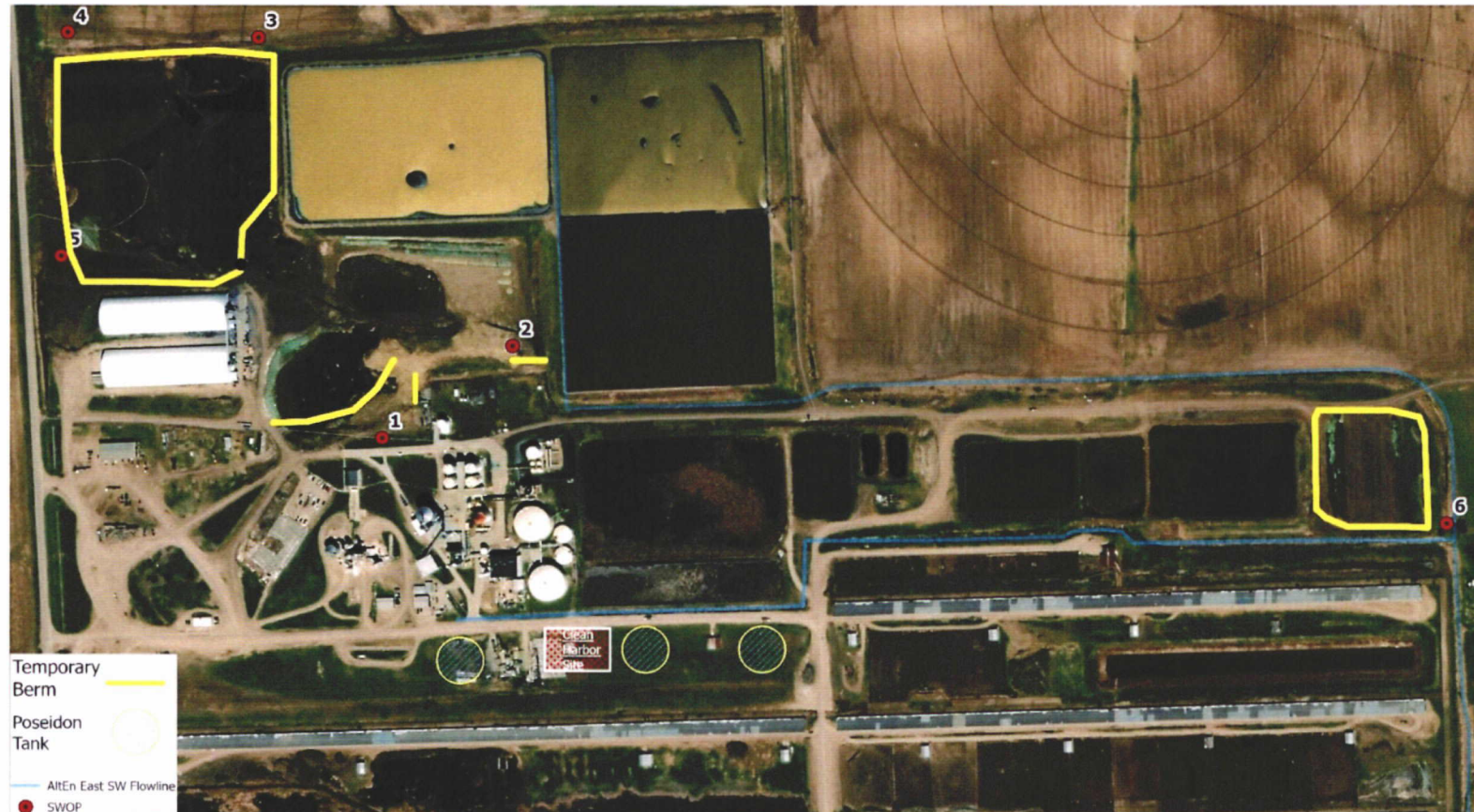
Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: Pumping station

Direction Facing: West

Description: This photo depicts the pumping station. Currently the station is not pumping.

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

Inspection and Assistance Exit Summary

NDEE ID: 86069 NDEE Program & ID: NE0137634 NDEE Notification #: _____
 Inspection/Other: yes Compliance Assistance Visit (CAV): no Permit Assistance Visit (PAV): no
 Facility/Operation Name: AltEn, LLC
 Address: 11344 County Road 10
 City/Town: Mead County: Saunders
 Owner/Occupant/Operator Inspection Contact (S): Scott Tingelhoff/Mary Tingelhoff

Inspection Date: 5-26-21 Start Time: 12:20 am End time: 2:20 pm
 Inspector: Mark Pomajzl Phone #: 1-402-471-2936 Email Address: mark.pomajzl@nebraska.gov

Concerns observed: Further Agency discussion needed to determine compliance: none

Observations: X

Comments:

Area 1 – Water needs to be removed to prepare for the upcoming rain event.

Area 2: OK

Area 3: OK

Area 4: OK

Area 5: OK

Area 6: OK

* **Biochar:** The facility has installed silt fencing, which is trenched in 3 to 4 inches. There is biochar product outside the containment. The original silt fence is in poor condition and needs to be replaced before the impending rain event.

* **Vegetation** is growing fast around the south and northeast lagoon. I could not visually inspect transfer hoses. This is becoming a tripping and falling hazard.

Lagoons – No change

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

- **Clean the biochar area and install proper BMPs.** The BMP needs to contain the spilled biochar.
- **Manage vegetation** around the lagoons and the main facility.

Please notify the inspector 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: Email. Please contact your inspector if you have any questions concerning this inspection and assistance exit summary.

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

Inspector: Mark Pomajzl

Inspection Contact Signature: Scott Tingelhoff