

Facility: AltEn, LLC
IIS: 84069
PCS: NE0137634

Mark Pomajzl / Amanda Woita
5/12/2021

Site Visit Check list

Weather conditions: Clear skies
Temperature: 55 F
Wind: Northwest 5-10 (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 water accumulation |
| 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 (<input checked="" type="radio"/> pumped / not pumped) |

Comments:

- Area 1 contains two berms. The east berm has been expanded to prevent parking lot water from entering the berm area. The west berm contains runoff from the south wet cake pile.
- Areas 2 has been pumped to the emergency lagoon.
- Area 3 continues to contain water. Possible seepage.
- Area 4 has a new berm. The new berm connects Area 3 and 5.
- Clean Harbors has finished the berm around the Area 6 pile. There is evidence of seepage, see photo log.

B. Lagoons

- Northeast lagoon
 - No change with the liners.
 - The water level continues to lower.
 - The facility is recirculating water from the pumping station into the northeast lagoon.
- Northwest lagoon
 - The water level is starting to drop below the equalization pipe.



3. South lagoon

- The water level continues to lower. The equalization pipe is visible. The facility is pumping from the south lagoon to treatment.

C. Biochar

- Spilled biochar product.
- Trash and debris observed.

D. Notes

- There are empty totes of chemical near the east Poseidon tank stained with residual chemical.
- There is spilled dry chemical near the east Poseidon tank.
- There are semi-trucks on site delivering Poseidon tank parts.

* The facility has stopped pumping into the Industrial lagoon. Mr. O'Brien stated that they have dismantled the industrial sump so it cannot pump into the industrial lagoons. The facility will be using a portable pump to transfer water from the industrial sump to the emergency lagoon. I traced the hose to confirm. The discharge observed in the northeast lagoon is not from the emergency lagoon but a recirculation hose from the pumping station (photos 34, 35 and 36). Mr. O'Brien stated the recirculation hose is used to reduce pressure in the system.

Photos



Photo: 1

Site Visit Report

Date Taken: 5-12-21

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: West

Description: This is the west berm. There is no water accumulation.



Photo: 2

Site Visit Report

Date Taken: 5-12-21

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: East

Description: This is the west berm. There is minor water accumulation.



Photo: 3

Site Visit Report

Date Taken: 5-12-21

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: South

Description: This is the original Area 1 berm. There is some water accumulation. There is no signs of seepage.



Photo: 4

Site Visit Report

Date Taken: 5-12-21

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: West

Description: The facility has recently pumped Area 2 to the emergency lagoon.



Photo: 5

Site Visit Report

Date Taken: 5-12-21

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: Southwest

Description: This photo depicts the portable pump used to transfer water from Area 2 to the emergency lagoon. This pump can be transported to other areas when needed.

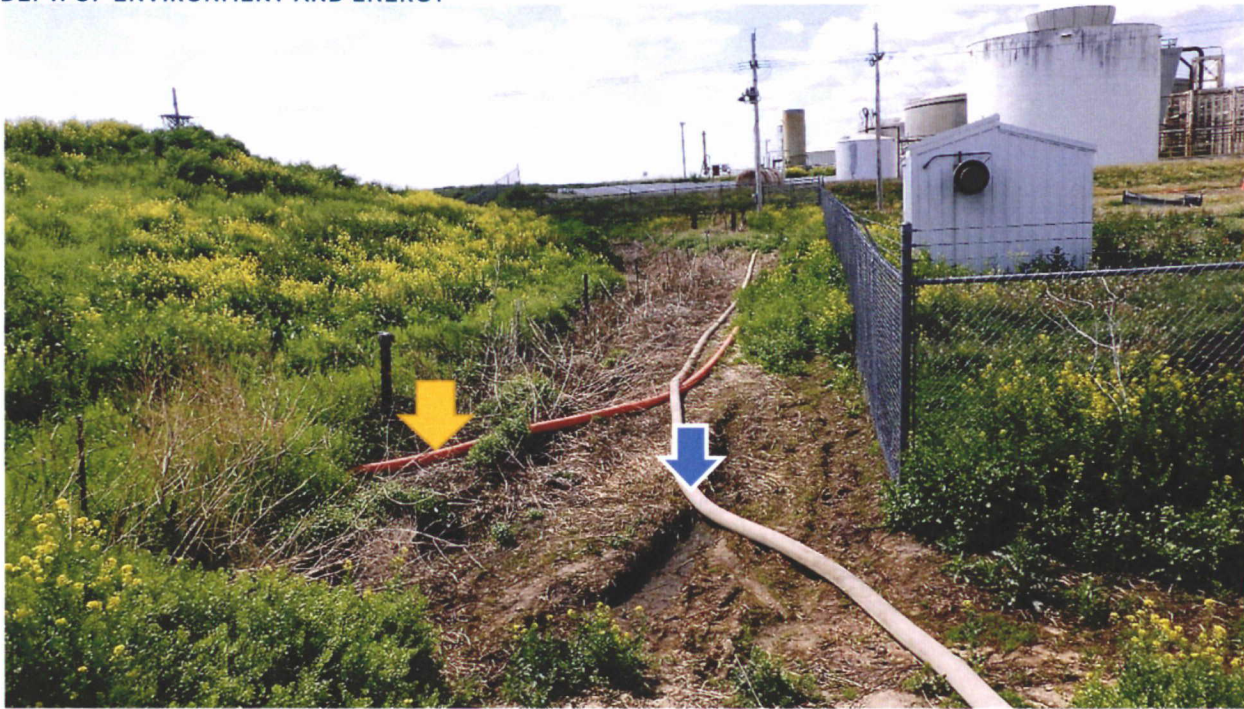


Photo: 6

Site Visit Report

Date Taken: 5-12-21

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: South

Description: This photo depicts two hoses. The orange hose (yellow arrow) is from the pumping station to treatment. The beige hose (blue arrow) is from the portable pump depicted in photo 5.



Photo: 7

Site Visit Report

Date Taken: 5-12-21

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: West

Description: This photo depicts Area 3.



Photo: 8

Site Visit Report

Date Taken: 5-12-21

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: West

Description: This photo depicts possible seepage (arrow).



Photo: 9

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 4 on the site map

Direction Facing: Southwest

Description: This photo depicts the near berm along Area 4. The berm in this area is compacted (arrow).



Photo: 10

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 4 on the site map

Direction Facing: East

Description: This photo is between Area 3 and 4. There is a heavy equipment operator moving dirt and constructing berms.



Photo: 11

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 5 on the site map

Direction Facing: East

Description: This photo is a new berm east of the original Area 5 berm. The berm surrounds the south side of the north wet cake pile to the east side of the north hoop building. There is accumulated rainwater on the south side of the berm.



Photo: 12

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

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: This photo depicts the hose used to transfer water if needed. The berm spans the west side of the property.



Photo: 13

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map

Direction Facing: South

Description: This photo depicts the west side of Area 6. The new berm is compacted and surrounds the wet cake pile. The water observed is believed to be residual rainwater from the recent rain event.



Photo: 14

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map

Direction Facing: Southeast

Description: This photo depicts the north side of Area 6. The facility uses these totes to transfer accumulated water. The facility fills the totes then hauls them to the emergency lagoon.



Photo: 15

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map

Direction Facing: North

Description: This photo depicts possible seepage on the east side of Area 6 (arrow).



Photo: 16

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map

Direction Facing: Northeast

Description: The facility has recently pumped out the secondary berm. The facility then added the material to reinforce the primary berm (arrow). There is some residual moisture observed. Clean Harbors stated that the area is in process of drying out.



Photo: 17

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map

Direction Facing: North

Description: This photo depicts the southern part of the Area 6 berm. The berm is above six feet in height.



Photo: 18

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 6 on the site map

Direction Facing: North

Description: This photo depicts that wet cake is pushing up against the berm. The berm is compacted on the outside but appears to still have possible seepage.



Photo: 19

Site Visit Report

Date Taken: 5-12-21

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 northwest lagoon depth marker.



Photo: 20

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Equalization pipes between the northwest and northeast lagoon

Direction Facing: South

Description: This photo depicts that the lagoons are continuing to lower.



Photo: 21

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South lagoon

Direction Facing: West

Description: This photo depicts the south lagoon depth marker.



Photo: 22

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast lagoon

Direction Facing: West

Description: This photo depicts the northeast lagoon depth marker.



Photo: 23

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar Unit

Direction Facing: South

Description: This photo depicts dead vegetation north of the biochar. The water in the forefront is contained.



Photo: 24

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar Unit

Direction Facing: East

Description: This photo depicts empty chemical totes, trash and debris on the south side of the Biochar unit.



Photo: 25

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar Unit

Direction Facing: Northwest

Description: This photo depicts spilled biochar on the south side of the unit.



Photo: 26

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar Unit

Direction Facing: North

Description: This photo depicts spilled biochar. I observed biochar near the silt fence depicted in the next photo.



Photo: 27

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar Unit

Direction Facing: South

Description: This photo depicts the silt fence used as a storm water control. The silt fence is not knifed in or controlling runoff.



Photo: 28

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: East Poseidon tank

Direction Facing: North

Description: This photo depicts residual chemical on an empty chemical tote.



Photo: 29

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: East Poseidon tank

Direction Facing: North

Description: This photo depicts spilled dry chemical.



Photo: 30

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: East Poseidon tank

Direction Facing: Southeast

Description: The east Poseidon tank is near capacity.



Photo: 31

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Middle Poseidon tank

Direction Facing: South

Description: The middle Poseidon tank



Photo: 32

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Plastic supplies to be used for additional Poseidon tanks

Direction Facing: Southwest

Description: This photo depicts a worker removing straps to unload plastic rolls.



Photo: 33

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Plastic supplies to be used for additional Poseidon tanks

Direction Facing: South

Description: This photo depicts a worker unloading plastic rolls and stacking them on the southwest side of the parking lot.

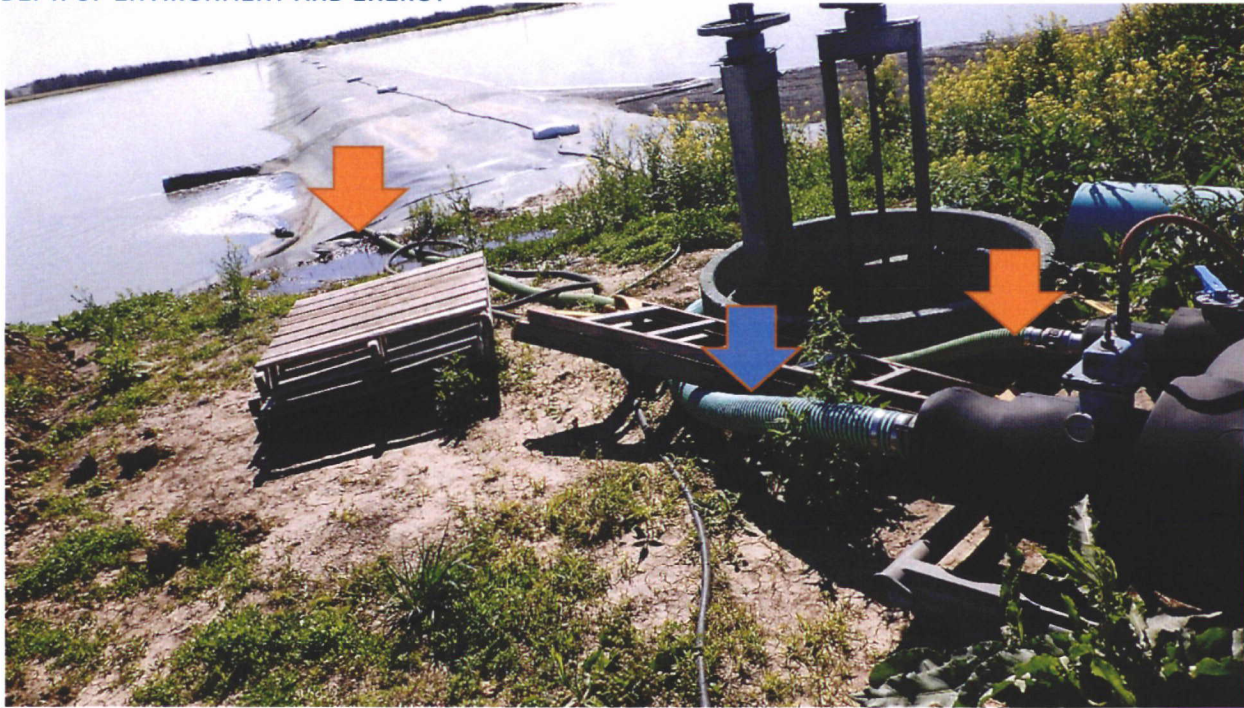


Photo: 34

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Dike between the south and northeast lagoon.

Direction Facing: East

Description: This photo depicts a discharge into the northeast lagoon. After investigation the line depicted here (orange arrow) is a recirculation hose. Mr. O'Brien stated that this hose is just allowing some water back into the lagoon to help with pressure. Mr. O'Brien confirmed that the line is not pumping from the emergency lagoon. The larger hose (blue arrow) is pumping from the south lagoon.



Photo: 35

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Dike between the south and northeast lagoon.

Direction Facing: South

Description: This photo depicts the orange hose that transfers water to the treatment system (arrow).



Photo: 36

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Area 2 on the map.

Direction Facing: South

Description: This photo depicts the orange line that was mentioned in photo 35.



Photo: 37

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: North of the treatment system.

Direction Facing: North

Description: This photo depicts the orange line depicted in photos 35 and 36 (blue arrow). This hose connects to the treatment system. The blue hose (green arrow) is the from the industrial sump. Mr. O'Brien stated that they made the sump pumping station inoperable. The facility will be manually pumping from the industrial sump to the emergency lagoon.

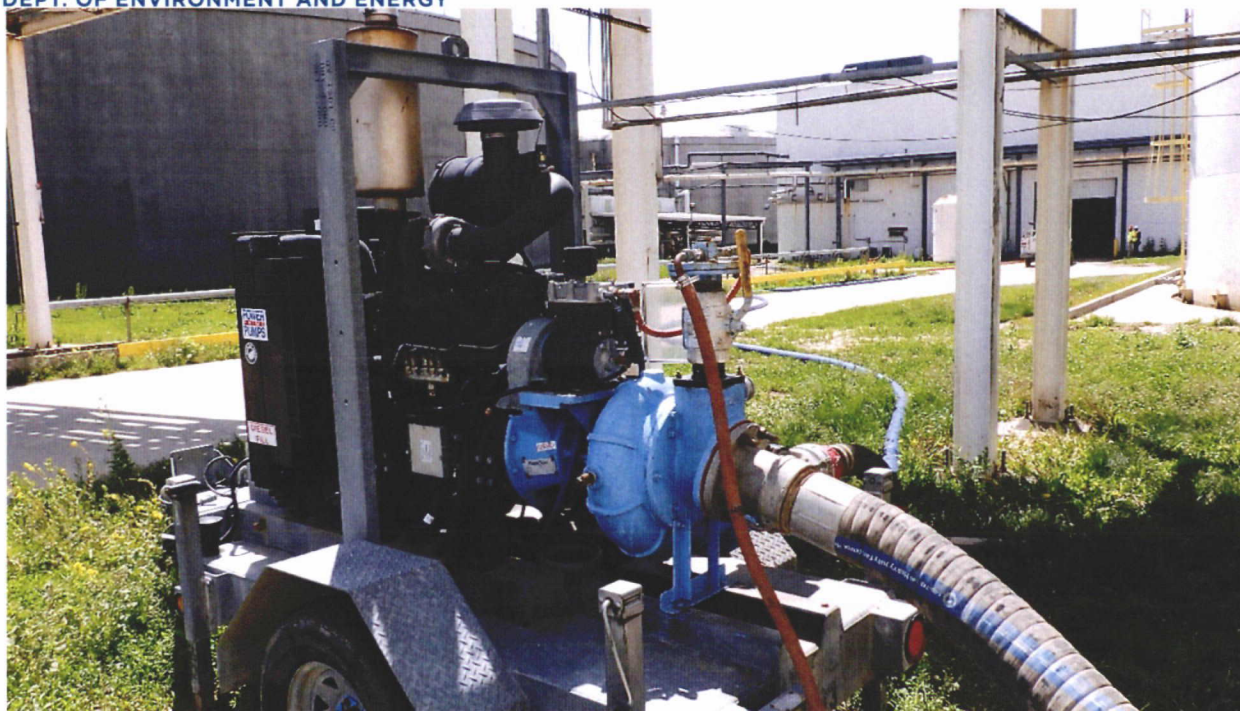


Photo: 38

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Industrial sump

Direction Facing: Southeast

Description: This photo depicts the portable pump used to transfer water from the industrial sump to the emergency lagoon. The blue hose in the background is the same depicted in photo 37.

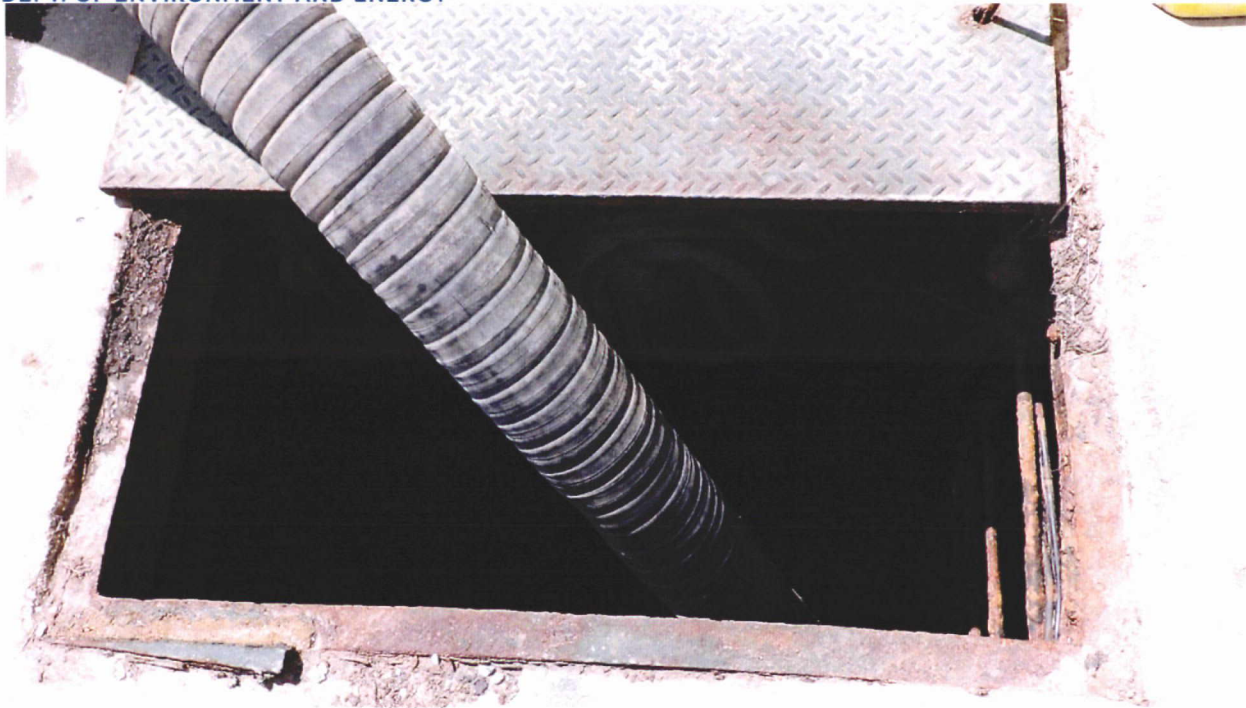


Photo: 38

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: North of the treatment system.

Direction Facing: North

Description: This photo depicts the hose entering the industrial sump from the portable pumping station.



Photo: 39

Site Visit Report

Date Taken: 5-12-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Emergency lagoon

Direction Facing: East

Description: This facility has noticeably lowered the lagoon since the last site visit.

AltEn LLC - Storm Water Temporary BMP Check Map



Temporary
Berm

AltEn East SW Flowline

SWOP

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: 84069 NDEE Program & ID: _____ NDEE Notification #: _____☒ Inspection/Other ☐ Compliance Assistance Visit (CAV) ☐ Permit Assistance Visit (PAV)Facility/Operation Name: ALTEN

Address _____

City/Town: MEAD, County Saunders, State of Nebraska.Owner/Occupant/Operator Inspection Contact(s): Scott Tingelhoff

Inspector	Phone No	E-Mail address
<u>Mark Pomajzl</u>	<u>402-476-2936</u>	<u>mark.pomajzl@nebraska.gov</u>
<u>AMANDA WOITKA</u>	<u>402-476-2243</u>	<u>amanda.woitka@nebraska.gov</u>

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

Inspection Date: 5-12-21 Start Time: 9:50 End Time: 12:36☐ No concerns observed ☐ Further agency discussion needed to determine compliance☒ Concerns observed:Area 1-2 ok" 3 - possible seepage" 4 - ok" 5 - ok" 6 - Seepage (Please investigate)- Lagoons - ok- ~~Not pumping into~~ MP.Biochar. NEED to be cleaned☒ Actions to be performed immediately or as soon as reasonably practical:- Investigate Area 3 & 6 on the map. / fix Seepage- Biochar - please Clean 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.

Mark Pomajzl
Inspector Signature

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

Scott Tingelhoff
Inspection Contact Signature