

Facility: AltEn, LLC
IIS: 84069
PCS: NE0137634

Mark Pomajzl
6/1/2021

Site Visit Report

Weather conditions: Clear to Partly Cloudy
Temperature: 66 F
Wind: South 15-25 (MPH)
Precipitation: None

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 / <input checked="" type="radio"/> 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:

- Area 1 contains two berms. The original berm is being taken out. There is slurry water on the east side of the berm. It appears that some of the water has exited the area along the chain link fence which drains east of the facility, photos 1, 2 and 3.
- Areas 2: minor water accumulation.
- Area 3: seepage observed.
- Area 4 is in good condition. No seepage observed.
- Area 5 is in good condition. No seepage observed.
- Area 6: The 5-28-21 site visit observed seepage. Clean Harbors pumped 12,000 gallons from this berm. There is still minor seepage observed.

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

1. Northeast lagoon
 - No change with the liners. The lagoon is releasing gas in multiple locations.
 - Vegetation is growing fast around the lagoon. Vegetation is becoming a tripping and falling hazard
2. 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. The inspector tripped over the orange hose used to transport water from the south lagoon to treatment. (not injured).

C. Biochar

- Clean Harbors has installed a new silt fence (trenched in). Clean Harbors stated today that they plan on adding additional silt fence south of the Biochar unit. They are also going to add straw bales on the west entrance. Bales will be used to allow quick entrance if needed.

D. Notes

- × Clean Harbors continues to make room for the north tank farm. There is lots grading taking place.
- × Vegetation is becoming a problem. I observed an increasing amount of vegetation along all the lagoon dikes which is becoming a tripping and falling hazard.
- × Vegetation is also growing fast along the storm water ditch south of the digester and Biochar Process.
- × The facility is moving treatment equipment from the south Poseidon tank farm to the north side of the facility.
- × There are lots of iron and heavy equipment lined up on the north side of the facility. Big Iron is conducting the auction.

Photos



Photo: 1

Site Visit Report

Date Taken: 6-1-21

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 east berm. The previous site visit requested that this area be pumped. Photo 2 depicts green water along the fence leading to area 2.



Photo: 2

Site Visit Report

Date Taken: 6-1-21

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 photo depicts green water along the fence heading toward area 2. I am standing on the east side of fence which is better depicted in photo 3.



Photo: 3

Site Visit Report

Date Taken: 6-1-21

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 that the water from photos 1 and 2 drain to this area. There is no berm to collect this water. The facility will need to collect this water.



Photo: 4

Site Visit Report

Date Taken: 6-1-21

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: This photo depicts the pumping station for area 2



Photo: 5

Site Visit Report

Date Taken: 6-1-21

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 seepage on area 3.



Photo: 6

Site Visit Report

Date Taken: 6-1-21

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 back side of area 3.



Photo: 7

Site Visit Report

Date Taken: 6-1-21

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 depicts the berm along area 4. There is no seepage observed.



Photo: 8

Site Visit Report

Date Taken: 6-1-21

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 depicts the trench used to convey water from area 5 to area 2.



Photo: 9

Site Visit Report

Date Taken: 6-1-21

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: Area 4 and 5 are now connected.



Photo: 10

Site Visit Report

Date Taken: 6-1-21

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 depicts green water on the outside of the area 5 berm. This water is accumulated from runoff which includes the hoop building.



Photo: 11

Site Visit Report

Date Taken: 6-1-21

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 seepage from the south side of area 6.



Photo: 12

Site Visit Report

Date Taken: 6-1-21

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: These are totes used to transfer water from area 6 to the emergency lagoon.



Photo: 13

Site Visit Report

Date Taken: 6-1-21

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: West

Description: Hose used to transfer water from the area 6 berm. Staff stated they removed 12, 000 gallons from the area recently.



Photo: 14

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast lagoon

Direction Facing: South

Description: This photo depicts floating liners in the northeast lagoon.



Photo: 15

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast lagoon

Direction Facing: South

Description: This photo depicts floating liners in the northeast lagoon.



Photo: 16

Site Visit Report

Date Taken: 6-1-21

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 depth finder in the northeast lagoon.

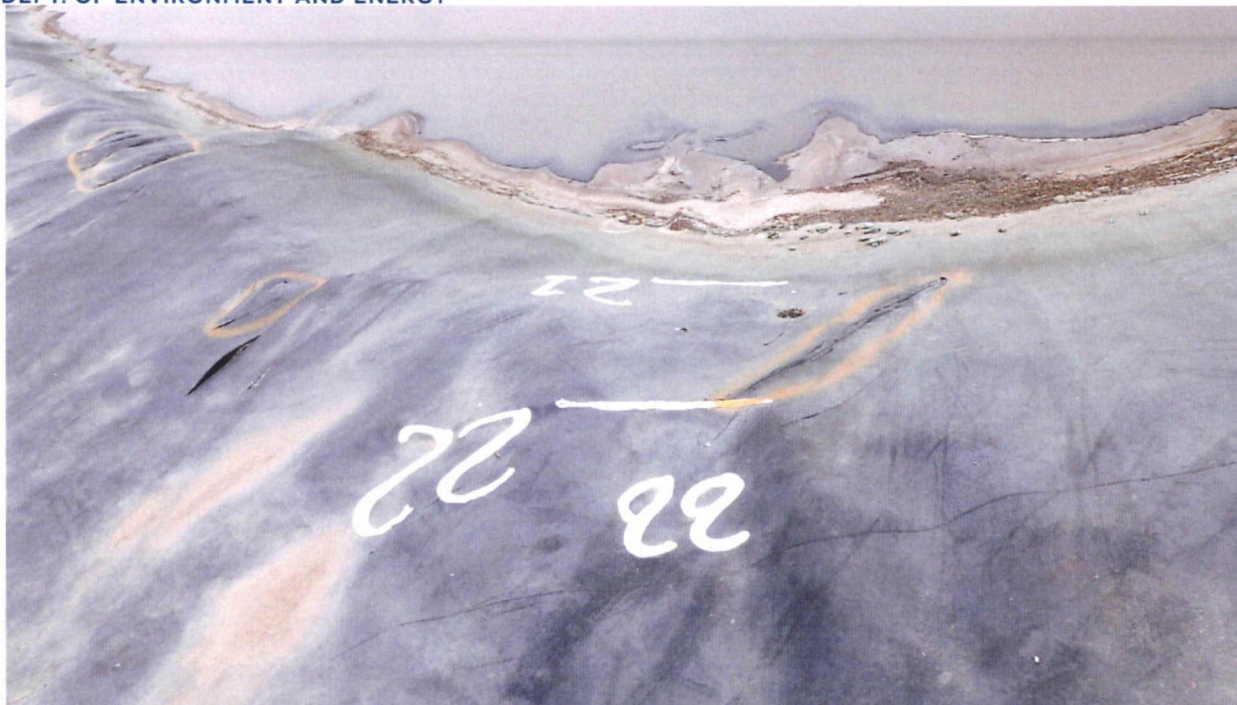


Photo: 17

Site Visit Report

Date Taken: 6-1-21

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 depth finder in the south lagoon.



Photo: 18

Site Visit Report

Date Taken: 6-1-21

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 finder.



Photo: 19

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: North

Description: Newly installed silt fence.



Photo: 20

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: East

Description: Newly installed silt fence. The recent rain event washed into the silt fence. The fence held some debris but now needs to be maintained.



Photo: 21

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: North

Description: Newly installed silt fence. The recent rain event washed into the silt fence. This photo depicts silt pushing on the front side. This indicates the fence is working but will need to be cleaned



Photo: 22

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: North

Description: This is the auger used to transport biochar to bagging area. The auger would spill product causing these piles. Rain causes this product to wash into the silt fence depicted in photo 21.



Photo: 23

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Biochar

Direction Facing: South

Description: This is the silt fence on the north side of the Biochar unit.



Photo: 24

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South lagoon

Direction Facing: South

Description: This is vegetation along the west dike of the south lagoon. The vegetation is above chest level in places.



Photo: 25

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Northeast lagoon

Direction Facing: East

Description: This photo depicts vegetation along the north dike.



Photo: 26

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South lagoon

Direction Facing: Southeast

Description: This photo depicts vegetation along the east dike.



Photo: 27

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Between the cells

Direction Facing: West

Description: This photo depicts vegetation east of the transfer station.



Photo: 28

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South of the northwest lagoon

Direction Facing: South

Description: This photo depicts earth being moved for the Poseidon tank farm.

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Photo: 29

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South of the northwest lagoon

Direction Facing: Southwest

Description: This photo depicts grading for the tank farm.



Photo: 30

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South of the northwest lagoon

Direction Facing: South

Description: This photo depicts heavy equipment operators working to prepare the area for the Poseidon tank farm.



Photo: 31

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: South tank farm

Direction Facing: South

Description: This photo depicts workers moving treatment equipment.



Photo: 32

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Fermentation

Direction Facing: North

Description: This photo depicts treatment equipment stored on containment.



Photo: 33

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: Fermentation

Direction Facing: North

Description: This photo depicts treatment chemical stored in containment.



Photo: 34

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: North side of fermentation

Direction Facing: West

Description: This photo depicts equipment lined up for the Big Iron auction.



Photo: 35

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: North side of fermentation

Direction Facing: West

Description: This photo depicts the Big Iron auction sticker.



Photo: 36

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: North side of fermentation

Direction Facing: Southwest

Description: This photo depicts heavy equipment to sold on Big Iron auctions.



Photo: 37

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

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

Location: North side of fermentation

Direction Facing: Southwest

Description: This photo depicts equipment and parts for the new Poseidon tanks.



Photo: 38

Site Visit Report

Date Taken: 6-1-21

Photographer: Mark Pomajzl

Facility Name/ Project Name: AltEn LLC

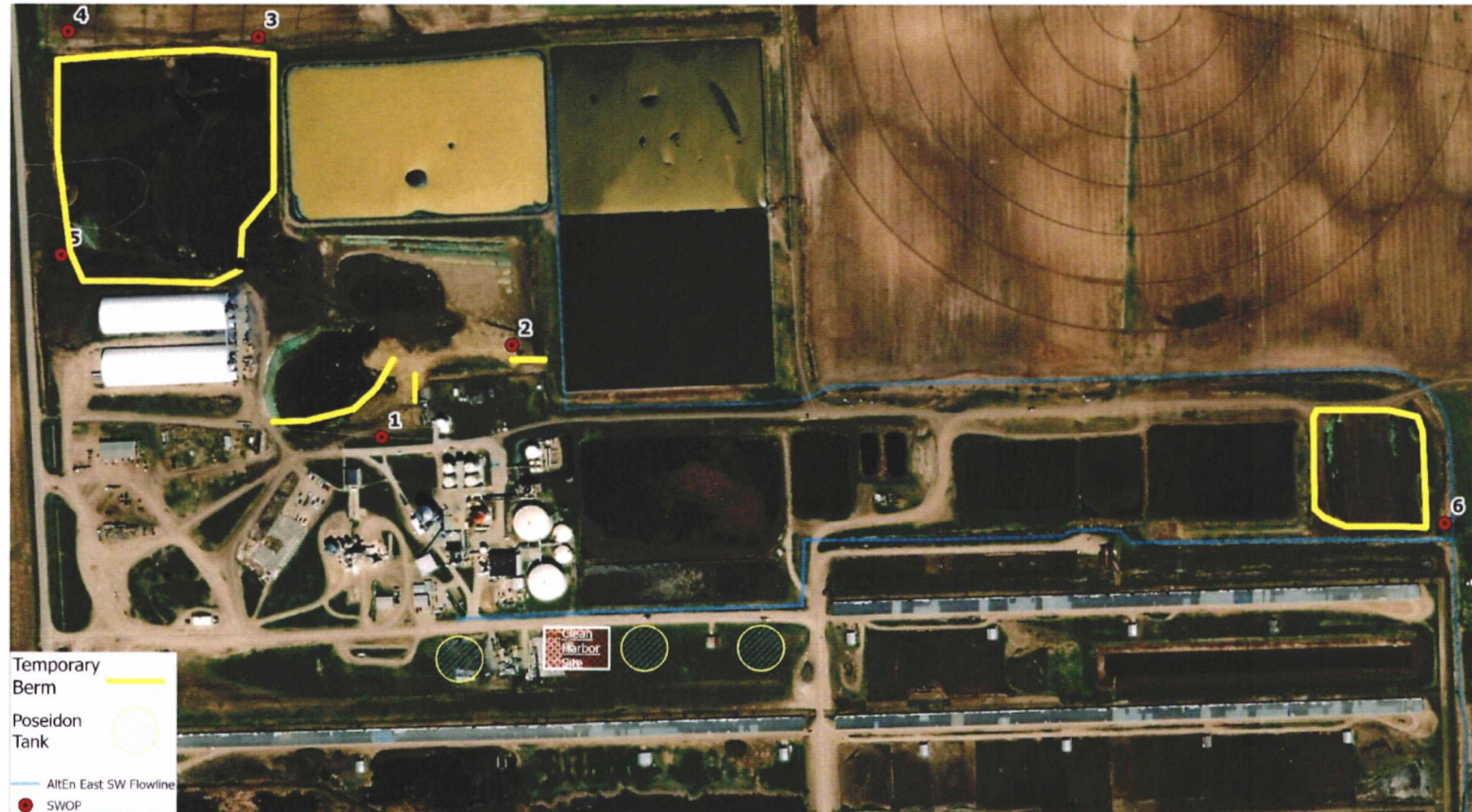
Facility IIS number / Project identifier: IIS: 84069 / NE0137634

Location: County Road 9 and J

Direction Facing: West

Description: This photo depicts stagnant water along the culvert at County Road 9 and J. There is no water flow at this time.

AltEn LLC - Storm Water Temporary BMP Check Map



Temporary
Berm
 Poseidon
Tank
 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: <u>84069</u>	NDEE Program & ID: <u>NEQ137634</u>	NDEE Notification #: _____
Inspection/Other: <u>yes</u>	Compliance Assistance Visit (CAV): <u>no</u>	Permit Assistance Visit (PAV): <u>no</u>
Facility/Operation Name: <u>AltEn, LLC</u>		
Address: <u>11344 County Road 10</u>		
City/Town: <u>Mead</u>	County: <u>Saunders</u>	
Owner/Occupant/Operator Inspection Contact (S): <u>Scott Tingelhoff/Mary Tingelhof</u>		

Inspection Date: 6-1-21 Start Time: 9:20 End time: 11:20 am
 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 – It appears that the Clean Harbors did not remove water from Area 1. Clean Harbors has added some material but by doing this has pushed water on the east side. (Mr. Windhorst request that the area be pumped (5-28-21)).

Area 2 - Ok

Area 3 – seepage observed

Area 4 - OK

Area 5 - OK

Area 6 – seepage observed

• **Biochar:** The facility has installed silt fencing, which is trenched in 3 to 4 inches. The facility has not installed additional silt fence.

• **Vegetation** is growing fast around the lagoon system. The inspector tripped this morning over the orange hose use to transfer water. This is along the west side of the south lagoon. (not injured)

Lagoons – No change

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

- Pump water from the area 1 berm.
- Mow vegetation around the lagoon system and around the facility, it is becoming a safety concern.
- Install additional silt fence around the biochar to control spilled biochar product.

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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.

Siging this document is not an admission of liability by the facility

Inspector: Mark Pomajzl

Inspection Contact Signature: 
