

PCS 84069

Daily Observation Form – DAILY REPORT
AltEn LLC – Mead, NE Release
Facility ID: 84069; State Spill Report Number: 021221-NH-845
Date: March 5, 2021
Weather: Clear and Sunny, 57 °F

Terracon

STOP 1 – Hwy 66 West of Ashland Gun Club
41.0886323, -96.380274
Time: 1204

Water is flowing at this location.

No suspect/obvious odor noted. No obvious visual signs of contamination observed at surface or on banks.

No active work was observed at the time of the site visit.



Photo Direction: Looking southwest.

STOP 2 – North of the intersection of County Roads 6 & F
41.1334626, -96.4064519
Time: 1221

Slight odor noted. Yellowish-brown discoloration observed on the west side at surface near culvert opening. Liquid appeared turbid.

Flow (audible) observed at this location.

No active work was observed at the time of the site visit.



Photo Direction: Looking northwest.

STOP 2 – North of the intersection of County Roads 6 & F
41.1334626, -96.4064519
Time: 1224

Slight odor noted. No discoloration observed on the east side at surface. Liquid appeared turbid.

Flow (audible and visual) observed at this location.

No active work was observed at the time of the site visit.



Photo Direction: Looking north.



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STOP 3 – Road 7/Hwy 66

41.1388323, -96.4257571

Time: 1146

Yellowish-brown discoloration observed on the west side of Stop 3. Liquid appeared turbid. Water pooling at this location. No flow (audible and visual) observed at this location. No suspect/obvious odor noted.

No active work was observed on the west side of the Stop 3 location at the time of the site visit.



Photo Direction: Looking northwest.

STOP 3 – Road 7/Hwy 66

41.1388323, -96.4257571

Time: 1149

Yellowish discoloration observed on the east side of Stop 3. No suspect/obvious odor noted. No flow (audible or visual) observed at this location. Ice covered observed.

No active work was observed on the east side of the Stop 3 location at the time of the site visit.



Photo Direction: Looking northeast.

STOP 4 – County Road 8, North of Road H

GPS: 41.1677657, -96.4447025

Time: 1245

Yellowish-brown discoloration observed at surface on the east side at this location. Slight odor noted. Flow (audible and visual) observed at this location. Observed flow from adjacent fields coming into the area.

No active work was observed at the time of the site visit.



Photo Direction: Looking east.

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STOP 4 – County Road 8, North of Road H
GPS: 41.1677657, -96.4447025
Time: 1248

Yellowish-brown discoloration observed at surface on the west side at this location. Slight odor noted. Flow (audible and visual) observed at this location. Observed flow from adjacent fields coming into the area.

No active work was observed at the time of the site visit.



Photo Direction: Looking west.

STOP 5 – UNL Eastern Extension – North of County Roads 9 & J
GPS: 41.1862613, -96.4638642
Time: 1308

Yellowish-brown discoloration observed on the west side of Stop 5. Liquid appeared turbid. Moderate odor noted at this location.

No flow (audible or visual) observed at this location.

Pumping of impacted material inactive during this site visit. In addition, pump was inactive at 1423 during a second visit at this location.



Photo Direction: Looking west.

STOP 5 – UNL Eastern Extension – North of County Roads 9 & J
GPS: 41.1862613, -96.4638642
Time: 1311

Yellowish-brown discoloration observed on the east side of Stop 5. Liquid appeared turbid. Slight odor noted at this location. Observed flow from adjacent fields coming into the area.

No flow (audible or visual) observed within the drainageway at this location.



Photo Direction: Looking east.

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STOP 6 – AltEn LLC Facility – East Side of Digester 1

GPS: 41.195558, -96.473923

Time: 1324

Yellowish-brown discoloration observed on the east side of Digester 1.

Strong odor noted at this location.

Pump proximal to the south lagoon connected to Digester 1 active at the time of this visit.



Photo Direction: Looking northwest.

STOP 6 – AltEn LLC Facility – East Side of Digester 1

GPS: 41.195558, -96.473923

Time: 1327

Pump proximal to the south lagoon connected to Digester 1 active at the time of this visit.

Second hose connected to the above referenced pump continues to run to the north of Digester 1 into the open doorway of the building to the northwest of Digester 1.

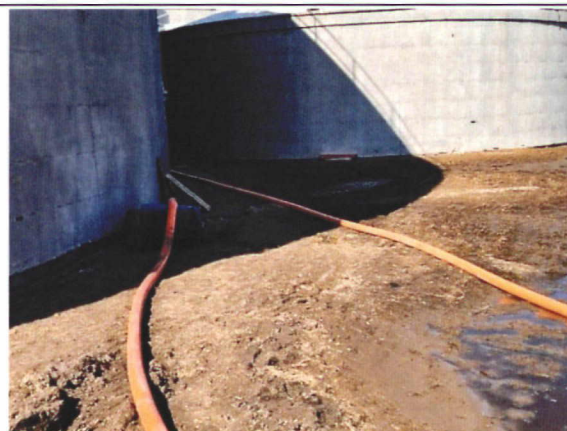


Photo Direction: Looking northwest.



Photo Direction: Looking west/northwest.

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Terracon

**STOP 6 – AltEn LLC Facility – Impacted
Material Disposal Site: South Lagoon
GPS: 41.195558, -96.473923
Time: 1331**

Impacted material within AltEn's lagoon.



Photo Direction: Looking north.

**STOP 6 – AltEn LLC Facility – Impacted
Material Disposal Site: South Lagoon
GPS: 41.195534, -96.4737120
Time: 1359**

Hoses from pumping locations between Stop 3 and Stop 4 – Hwy 66, East of Road 8 and Stop 5 entering AltEn's lagoon system.



Photo Direction: Looking northwest.

**STOP 6 – AltEn LLC Facility – South of
Emergency Lagoon
GPS: 41.19470, -96.47611
Time: 1333**

Treatment vessels and containment tank located south of the lagoon. The pump associated with the treatment vessels was inactive at the time of the site visit. Based on conversations with Clean Harbors, pumping of liquid through the treatment vessels was being suspended as they had pumped the practical limit of recoverable liquid. According to Clean Harbors, the remaining material in the lagoon comprised mostly of sediment, slurry, and solids.



Photo Direction: Looking south.

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Between Stop 3 and Stop 4 – Hwy 66, East of Road 8

GPS: 41.1464807, -96.4324881

Time: 1140

Yellowish-brown discoloration observed on the north side of Hwy 66 at surface. Liquid appeared turbid. Flow (visual) observed at this location. No suspect/obvious odor noted.

Soil berm partially in place during time of this visit.

All equipment has been relocated to the south side of Hwy 66.



Photo Direction: Looking north.

Between Stop 3 and Stop 4 – Hwy 66, East of Road 8

GPS: 41.1447025, -96.4325937

Time: 1115

Pumping equipment observed on the south side of Hwy 66.

The air compressor (minimizes solids being pulled into the pump) and pump were active during this visit.



Photo Direction: Looking south.

Between Stop 3 and Stop 4 – County Road H Between Roads 7 & 8

GPS: 41.161258, -96.437785

Time: 1234

Yellowish-brown discoloration observed on the north side of County Road H. Slight odor noted at this location.

Flow (audible) observed at this location.

No active work was observed at the time of the site visit.



Photo Direction: Looking northwest.

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Between Stop 3 and Stop 4 – County Road H Between Roads 7 & 8
GPS: 41.161258, -96.437785
Time: 1237

Yellowish-brown discoloration observed on the south side of County Road H. Liquid appeared turbid. Slight odor noted at this location.

Flow (audible and visual) observed.

No active work was observed at the time of the site visit.



Photo Direction: Looking southwest.

Between Stop 4 and Stop 5 – UNL Eastern Extension – Southeast of County Roads 9 & J
GPS: 41.1850660, -96.4616990
Time: 1302

Yellowish discoloration with turbidity observed on the south side of County Road J. Slight odor noted at this location.

Flow (audible and visual) observed.

No active work was observed at the time of the site visit.



Photo Direction: Looking south.

Between Stop 4 and Stop 5 – County Road I Between Roads 8 & 9
GPS: 41.1757201, -96.4589467
Time: 1254

During the sampling activities March 3, 2021, between Stop 3 and Stop 4 – Hwy 66, East of Road 8, informed by University of Nebraska personnel the booster pump located between Stop 4 and Stop 5 was leaking from the hose connection(s).

Leaking connections were not observed at the time of this site visit.



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STOP 3 – Road 7/Hwy 66
41.1388323, -96.4257571
Time: 1151

Observation of water pooling on west side of
Stop 3 advancing to the north.



Photo Direction: Looking northwest.

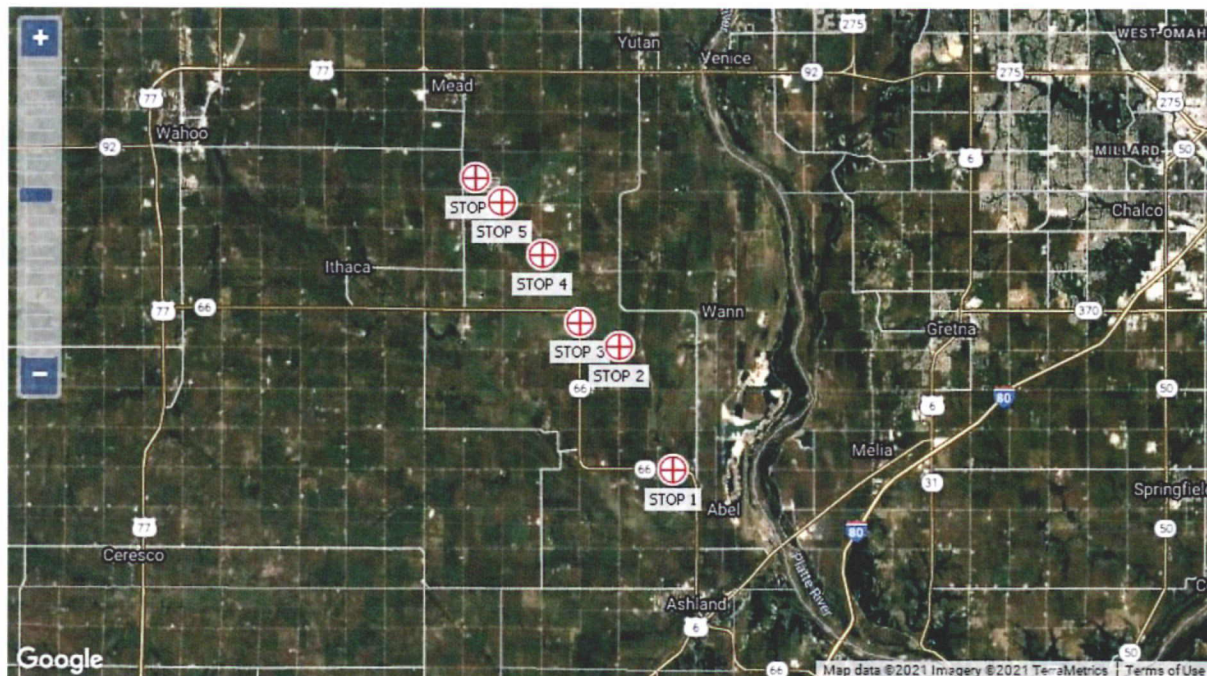
STOP 3 – Road 7/Hwy 66
41.1388323, -96.4257571
Time: 1153

Observation of water pooling on west side of
Stop 3 advancing to the south.



Photo Direction: Looking southwest.

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ALTEN SITUATIONAL AWARENESS (FEB 2021)

- DAILY TRIPS (One Person) - This could be twice per day as things warm up.
- 6 Stops
- Visual Observations recorded
- Immediate Notification/Action if changes are observed.
 - Sampling
 - Initiate a Response Contractor
- Record observations on a custom/standard form.

STOP 1 – HIGHWAY 66 EAST of ASHLAND GUN CLUB

There should be no observable contamination.

STOP 2 – North of the Intersection of County Road 6 & F

There should be no observable contamination.

STOP 3 – ROAD 7/Highway 66

You should see an intact containment structure and no contaminants getting past.

STOP 4 – COUNTY ROAD 8, North of Road H

There will be abundant contaminants confined to the channel.

STOP 5 – UN-L Eastern Extension – County Roads 9 & J

There will be remnants of a containment structure that failed and contaminants.

STOP 6 – ALTEN FACILITY DIGESTERS

Call facility prior to entry, check in at office if required, proceed to the digesters. HARD HAT and GOGGLES – We need to confirm efforts to prevent a second release from this area. (valves are not compromised... increases berms or other containment.