

PCS 84069

Daily Observation Form – DAILY REPORT
AltEn LLC – Mead, NE Release
Facility ID: 84069; State Spill Report Number: 021221-NH-845
Date: March 3, 2021
Weather: Clear and Sunny, 63 °F

Terracon

STOP 1 – Hwy 66 West of Ashland Gun Club
41.0886323, -96.380274
Time: 1126

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 north.

STOP 2 – North of the intersection of County Roads 6 & F
41.1334626, -96.4064519
Time: 1141

No suspect/obvious odor noted. Yellowish discoloration observed on the west side at surface near culvert opening.

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: 1143

No suspect/obvious odor noted. Yellowish-brown discoloration observed on the east side at surface.

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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Weather: Clear and Sunny, 63 °F

Terracon

STOP 3 – Road 7/Hwy 66

41.1388323, -96.4257571

Time: 1106

Yellowish-brown discoloration and a slight odor observed on the west side of Stop 3. Water pooling at this location. No flow (audible and visual) observed at this location.

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: 1110

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

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



Photo Direction: Looking southeast.

STOP 4 – County Road 8, North of Road H

GPS: 41.1677657, -96.4447025

Time: 1205

Yellowish-brown discoloration observed at surface on the east side at this location. No suspect/obvious 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: 1208

Yellowish-brown discoloration observed at surface on the west side at this location. No suspect/obvious 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: 1220

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

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

Pumping of impacted material inactive during this site visit.



Photo Direction: Looking northwest.

STOP 5 – UNL Eastern Extension – North of County Roads 9 & J
GPS: 41.1862613, -96.4638642
Time: 1226

Yellowish-brown discoloration observed on the east side of Stop 5 at surface. Slight odor noted at this location.

No flow (audible or visual) observed 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: 1441

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 southeast.

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

GPS: 41.195558, -96.473923

Time: 1445

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

During this visit Terracon observed a second hose connected to the above referenced pump. The hose ran to the north of Digester 1 continuing into the open doorway of the building to the northwest of Digester 1.

According to a phone conversation with Ken Peterson (AltEn Facility Manager), this hose is moving lagoon material into AltEn's preclarifier continuing through the facility's filtration system and emptying into the constructed holding tank east of Clean Harbor's filtration system at the south side of the lagoon. Ken went on to say AltEn has been given permission by NDEE to do this

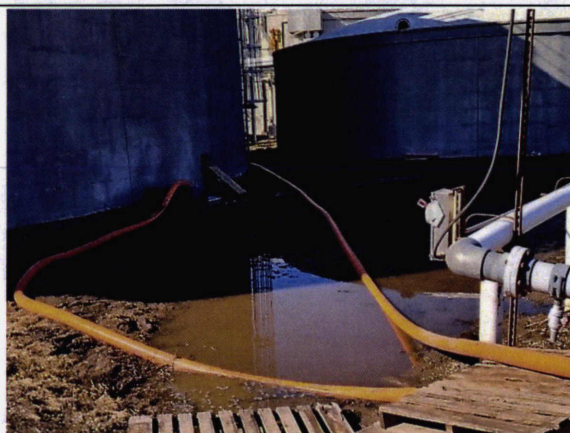


Photo Direction: Looking northwest.

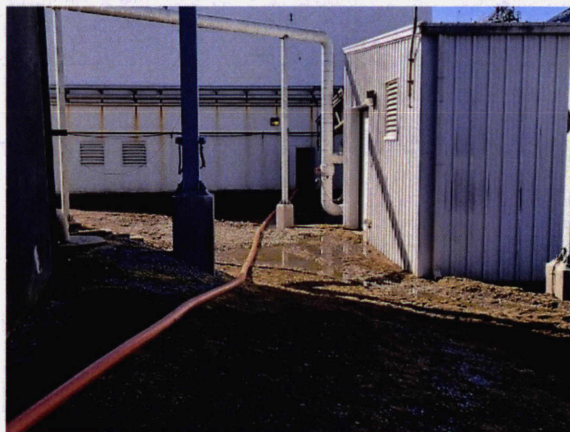


Photo Direction: Looking west/northwest.

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Terracon

**STOP 6 – AltEn LLC Facility – Impacted
Material Disposal Site: South Lagoon**
GPS: 41.195558, -96.473923
Time: 1450

Impacted material within AltEn's lagoon.



Photo Direction: Looking north.

**STOP 6 – AltEn LLC Facility – South of
Emergency Lagoon**
GPS: 41.19470, -96.47611
Time: 1600

Treatment vessels located south of the lagoon.



Photo Direction: Looking southeast.

**Between Stop 3 and Stop 4 – Hwy 66, East
of Road 8**
GPS: 41.1464807, -96.4324881
Time: 1100

Yellowish-brown discoloration observed on the north side of Hwy 66 at surface.

No suspect/obvious odor noted.

Flow (visual) observed at this location.

Soil berm in place during time of this visit. Air compressor and pump active at the time of the site visit.



Photo Direction: Looking north.

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

GPS: 41.1464807, -96.4324881

Time: 1102

Yellowish discoloration observed on the south side of Hwy 66 at surface.

Slight odor noted at this location.

Flow (audible) observed at this location.



Photo Direction: Looking south.

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

GPS: 41.161258, -96.437785

Time: 1155

Heimes Corporation loading ground pads onto flatbed trailer. Excavator remains at location.



Photo Direction: Looking southeast.

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

GPS: 41.161258, -96.437785

Time: 1200

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

Flow (audible and visual) 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: 1202

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

Flow (audible and visual) observed at this location.

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: 1215

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

Flow (audible and visual) observed at this location.



Photo Direction: Looking south.

**Between Stop 4 and Stop 5 – County Road
I Between Roads 8 & 9**
GPS: 41.175810, -96.460914
Time: 1400

During the sampling activities 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 the site visit. A pool of liquid can be seen in the background.

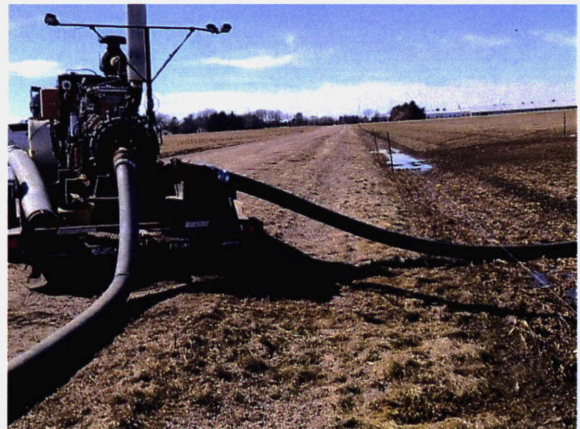


Photo Direction: Looking west.

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Terracon

STOP 3 – Road 7/Hwy 66
41.1388323, -96.4257571
Time: 1112

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: 1115

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



Photo Direction: Looking southwest.

STOP 3 – Road 7/Hwy 66
41.1388323, -96.4257571
Time: 1305

Ken Peterson (AltEn Facility Manager), Chad Yang (AltEn Laboratory Manager), and Dave Bubb (NDEE) collecting sample on west side of Stop 3. Mr. Bubb filled the sample containers at this location and transferred the samples to AltEn.



Photo Direction: Looking west.

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

GPS: 41.1464807, -96.4324881

Time: 1317

Chad Yang (AltEn Laboratory Manager) and Dave Bubb (NDEE) collecting sample on north side of Hwy 66. Mr. Bubb filled the sample containers at this location and transferred the samples to AltEn.

Ken Peterson (AltEn Facility Manager) onsite during the visit.



Photo Direction: Looking north.

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

GPS: 41.161258, -96.437785

Time: 1347

Chad Yang (AltEn Laboratory Manager) and Dave Bubb (NDEE) collecting sample on north side of County Road H. AltEn filled the sample containers at this location.

Ken Peterson (AltEn Facility Manager) onsite during the visit.



Photo Direction: Looking northwest.

STOP 5 – UNL Eastern Extension – North of County Roads 9 & J

GPS: 41.1862613, -96.4638642

Time: 1415

Chad Yang (AltEn Laboratory Manager) and Dave Bubb (NDEE) collecting sample on west side of Stop 5. AltEn filled the sample containers at this location.

Ken Peterson (AltEn Facility Manager) onsite during the visit.



Photo Direction: Looking west.

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**STOP 6 – AltEn LLC Facility – South of
Emergency Lagoon**
GPS: 41.19470, -96.47611
Time: 1430

Ken Peterson (AltEn Facility Manager) and
Chad Yang (AltEn Laboratory Manager)
collecting sample of influent material entering
treatment vessels located proximal to Stop 6.
AltEn filled the sample containers at this
location.

Dave Bubb (NDEE) onsite during the visit.



Photo Direction: Looking northeast.

**STOP 6 – AltEn LLC Facility – South of
Emergency Lagoon**
GPS: 41.19470, -96.47611
Time: 1435

Ken Peterson (AltEn Facility Manager) and
Chad Yang (AltEn Laboratory Manager)
collecting sample of effluent material exiting
treatment vessels located proximal to Stop 6.
AltEn filled the sample containers at this
location.

Dave Bubb (NDEE) onsite during the visit.

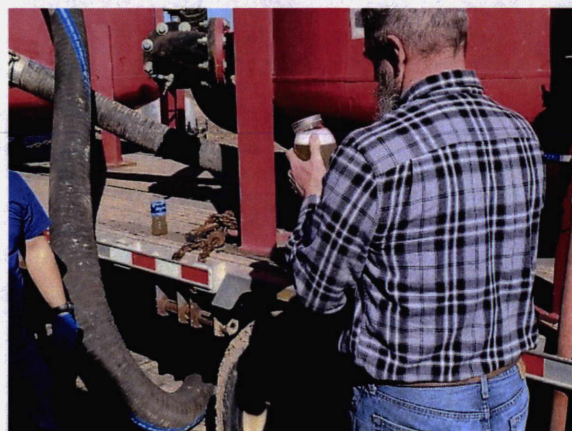
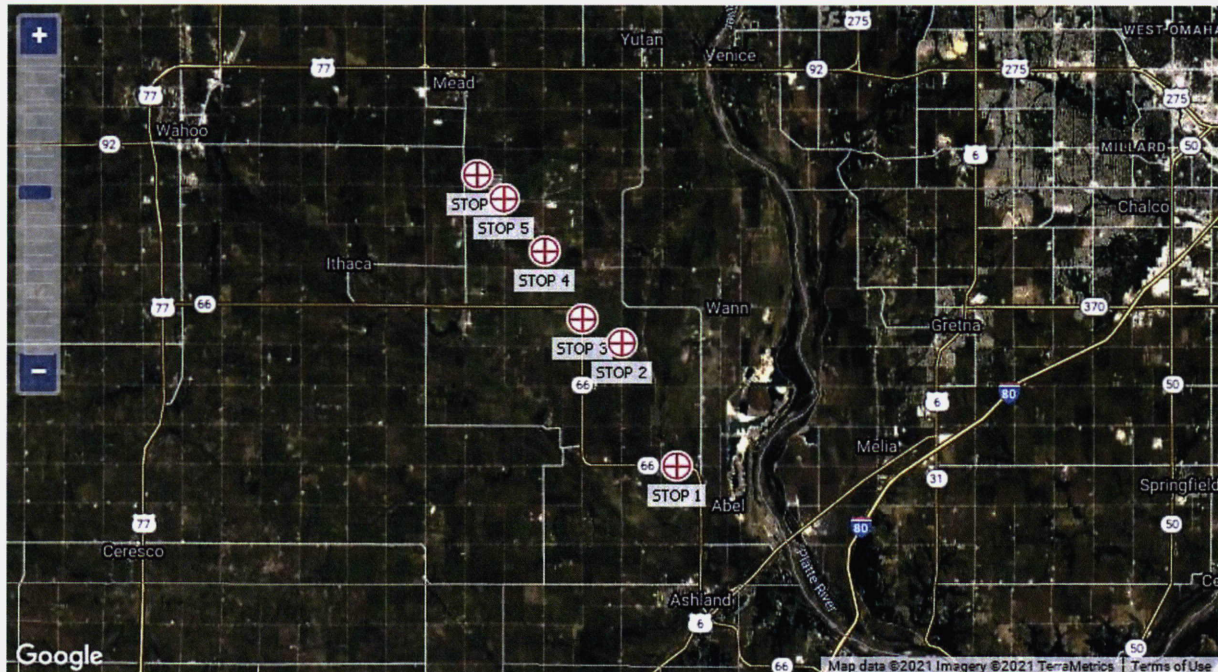


Photo Direction: Looking northeast.

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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.