

PCS 84069

Buell, Thomas

From: Hagemeister, Mike <Mike.Hagemeister@terracon.com>
Sent: Wednesday, February 24, 2021 11:30 AM
To: Buell, Thomas
Cc: Pracheil, Brad; Mann, Nancy; Koehler, James J; Starostka, Jesse C
Subject: 2-23-21 AM and PM Reports for Terracon Observation Work Associated with AltEn Release
Attachments: 20210223_104205.jpg; 20210223_103734.jpg; 05217146R07 2021-02-23 PM.pdf; 05217146R06 2021-02-23 AM.pdf

Please find our 2-23-2021 AM and PM Observation Reports. If you have any questions, comments, or required revisions please let us know.

Thanks and make it a great day,

Mike Hagemeister, P.E. *
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 Please consider the environment before printing this email.

PS -

As a note and consistent with Tom's email from this morning, here are a couple photos from Feb 23, 2021 of loading/hauling impacted material collected between Stop 4 and 5. Additional photos as requested will be taken today and including in the 2-24-2021 Observation Report(s) that will be issued tomorrow.

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.



Daily Observation Form – AM REPORT
AltEn LLC – Mead, NE Release
Facility ID: 84069; State Spill Report Number: 021221-NH-845
Date: February 23, 2021
Weather: Clear and sunny, 32°F

Terracon

STOP 1 – Hwy 66 West of Ashland Gun Club

GPS: 41.0886323, -96.380274
Time: 0815

Water is flowing at this location. Ice and snow are visible at each bank.

No obvious signs of contamination (visual and/or olfactory) observed in water or on banks.

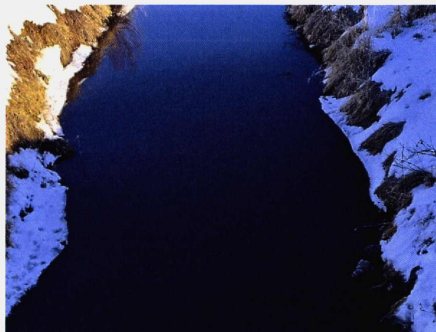


Photo Direction: Looking north.

STOP 2 – North of the intersection of County Roads 6 & F

GPS: 41.1334626, -96.4064519
Time: 0830

No visible water flow at this location. Ice and snow covered.

No obvious signs of contamination (visual and/or olfactory) observed in water or on banks.

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



Photo Direction: Looking West.

STOP 3 – Road 7/Hwy 66

GPS: 41.1388323, -96.4257571
Time: 0937

Obvious signs of contamination (visual and/or olfactory) observed on the west side of Stop 3 in water and on sides of penetration in ice.

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

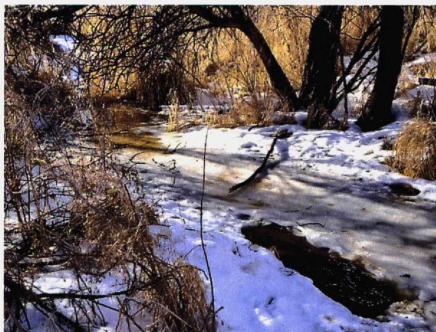


Photo Direction: Looking northwest.

Daily Observation Form – AM REPORT

AltEn LLC – Mead, NE Release

Facility ID: 84069; State Spill Report Number: 021221-NH-845

Date: February 23, 2021

Weather: Clear and sunny, 32°F

Terracon

STOP 3 – Road 7/Hwy 66

GPS: 41.1388323, -96.4257571

Time: 0937

Obvious signs of contamination (visual and/or olfactory) observed on the east side of Stop 3 in water and on sides of penetration.

Terracon onsite with Clean Harbors crew. Active recovery of impacted material through penetration on east side of Stop 3.



Photo Direction: Looking north.

STOP 4 – County Road 8, North of Road H

GPS: 41.1677657, -96.4447025

Time: 1000

No visible water flow on the west side of this location. Ice and snow covered.

No obvious signs of contamination (visual and/or olfactory) observed in water or on banks.

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



Photo Direction: Looking west.

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

GPS: 41.1862613, -96.4638642

Time: 1105

Obvious signs of contamination (visual and/or olfactory) observed on the west side of Stop 5 in water and on sides of penetration in ice.

Equipment on-site during this visit. Equipment was not operating at the time of the site visit.



Photo Direction: Looking southwest.

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Terracon

STOP 6 – AltEn LLC Facility Digesters

GPS: 41.1952368, -96.4766895

Time: 1110

Obvious signs of contamination (olfactory)
observed on the east side of Digester 1.

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

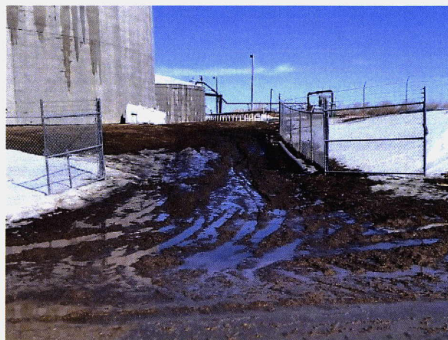


Photo Direction: Looking north.

STOP 6 – AltEn LLC Facility Digesters

GPS: 41.1952368, -96.4766895

Time: 1110

Impacted material stockpiled prior to
placement in AltEn's lagoon.



Photo Direction: Looking north.

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

GPS: 41.1464807, -96.4324881

Time: 0850

Soil berm placed within drainageway north of
Hwy 66.



Photo Direction: Looking east.

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**Between Stop 4 and Stop 5 – UNL Eastern
Extension – Southeast of County Roads 9
& J**

GPS: 41.1850660, -96.4616990

Time: 1015

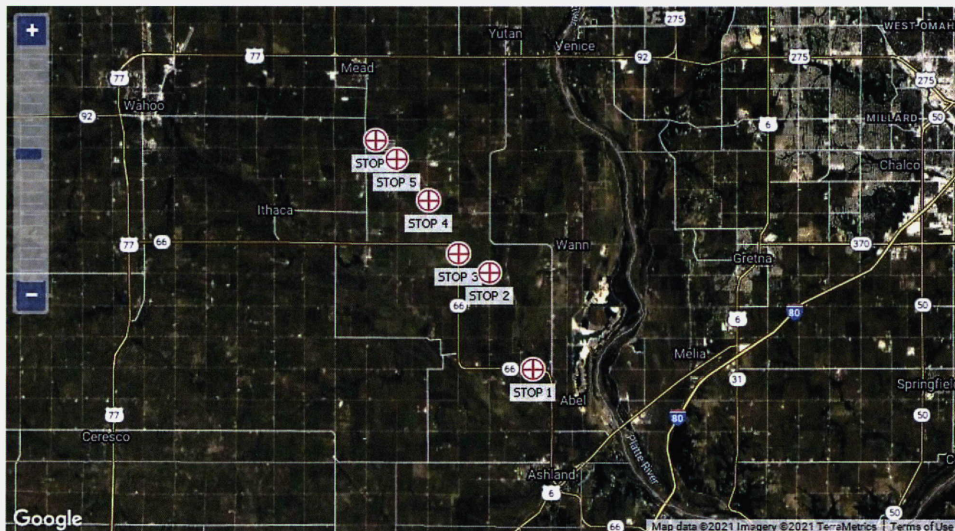
Ice and snow observed at this location.

Heimes Corporation crew removing impacted material from drainageway. Removed material is being hauled for disposal in AltEn's lagoon.



Photo Direction: Looking southwest.

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 Date: February 23, 2021
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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 containments 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.

Daily Observation Form – PM REPORT
AltEn LLC – Mead, NE Release
Facility ID: 84069; State Spill Report Number: 021221-NH-845
Date: February 23, 2021
Weather: Clear and sunny, 48 °F

Terracon

STOP 1 – Hwy 66 West of Ashland Gun Club

41.0886323, -96.380274

Time:

Due to inactivity at this location, a site visit was not conducted in the afternoon per conversations with NDEE. As such, no observations or photographs were taken.

STOP 2 – North of the intersection of County Roads 6 & F

41.1334626, -96.4064519

Time:

Due to inactivity at this location, a site visit was not conducted in the afternoon per conversations with NDEE. As such, no observations or photographs were taken.

STOP 3 – Road 7/Hwy 66

41.1388323, -96.4257571

Time: 1607

Obvious signs of contamination (visual and/or olfactory) observed in water and on sides of penetration in ice.

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



Photo Direction: Looking northwest.

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Terracon

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

Due to inactivity at this location, a site visit was not conducted in the afternoon per conversations with NDEE. As such, no observations or photographs were taken.

STOP 5 – UNL Eastern Extension – North of County Roads 9 & J
GPS: 41.1862613, -96.4638642
Time: 1540

Obvious signs of contamination (visual and/or olfactory) observed in water or on banks.

Active work was observed at the time of the site visit. Pump was removing liquid to the practical limit.



Photo Direction: Looking west.

STOP 6 – AltEn LLC Facility Drainageway
41.1955919, -96.472195
Time:

Due to inactivity at this location, a site visit was not conducted in the afternoon per conversations with NDEE. As such, no observations or photographs were taken.

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

GPS: 41.1464807, -96.4324881

Time: 1600

No visible water flow at this location. Ice and snow covered.

Active work was observed at the time of the site visit. Crew onsite using backhoe to remove ice (containing some impacted material) from drainageway in preparation for recovery of impacted material scheduled for February 24, 2021.



Photo Direction: Looking northeast.

Between Stop 4 and Stop 5 – UNL Eastern Extension – Southeast of County Roads 9 & J

GPS: 41.1850660, -96.4616990

Time: 1540

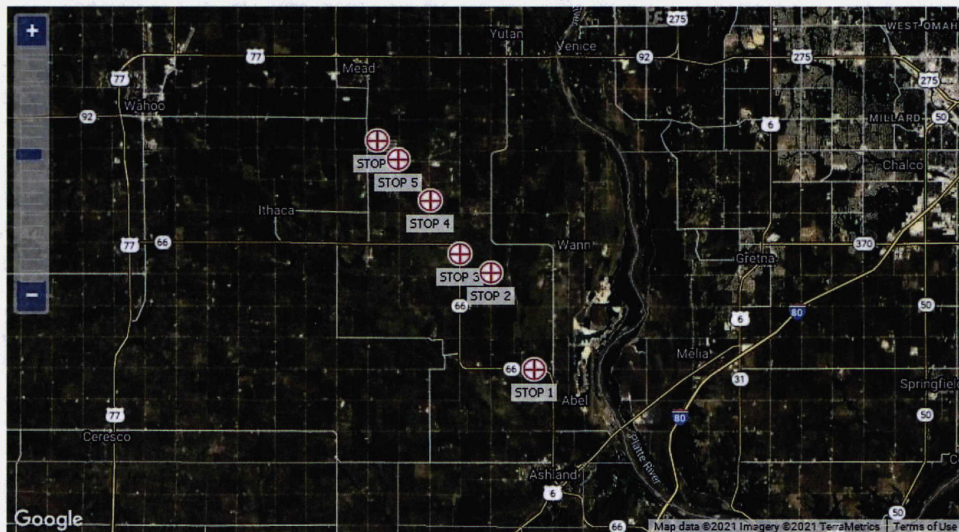
Equipment onsite relocating in preparation for continued removal of impacted material from drainageway scheduled for February 24, 2021.



Photo Direction: Looking southeast.

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