

**DATE:** 2/18/21

**INVESTIGATOR:** Greg Michl

**WEATHER:** Clear skies and cold

**STOP 1 – HIGHWAY 66 WEST of  
ASHLAND GUN CLUB**

Time: 0900

Clear Creek at this location was 99% ice/snow covered. There was a couple of open water areas, but site is currently not impacted from the AltEn LLC thin stillage discharge. Photo is looking north (upstream).



**STOP 2 – North of the Intersection of  
COUNTY ROADS 6 & F**

Time: 0920

I found no evidence of the ALTEn LLC thin stillage discharge reaching this location. I chopped a hole in the ice (~10 inches thick) to the channel's substrate. It was completely frozen, with no water below the ice. Photos were taken looking west/northwest (upstream).



**STOP 3 – Road 7/Highway 66**

Time: 0930

I found no evidence of the AltEn LLC thin stillage discharge reaching this location. I chopped a hole in the ice (~12 inches thick) to the channel's substrate. It was completely frozen, with no water below the ice. Photos were taken looking west/northwest (upstream).

The berm/dam located here made up of a tarp and sand bags appears to have constructed on top of the channel's ice surface in front the culvert. It would seem prudent to chip the ice away and lower the entire structure.



**STOP 4 – County Road 8, North of Road H**

Time: 0945

The AltEn LLC thin stillage discharge water remains as a frozen layer on top of the original ice layer that existed prior to the thin stillage release. The frozen waste water ice is much darker in appearance than the snow and original ice in the channel. The darker, frozen top layer was easily broken by walking on it. I did chop a hole through the channel's original ice layer (~12 inches thick) and found water underneath at this location. I do not believe the water to be the thin stillage waste, as there was no pressure from below that filled the hole I had opened. However, I did not have a meter with me to confirm to be true.





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

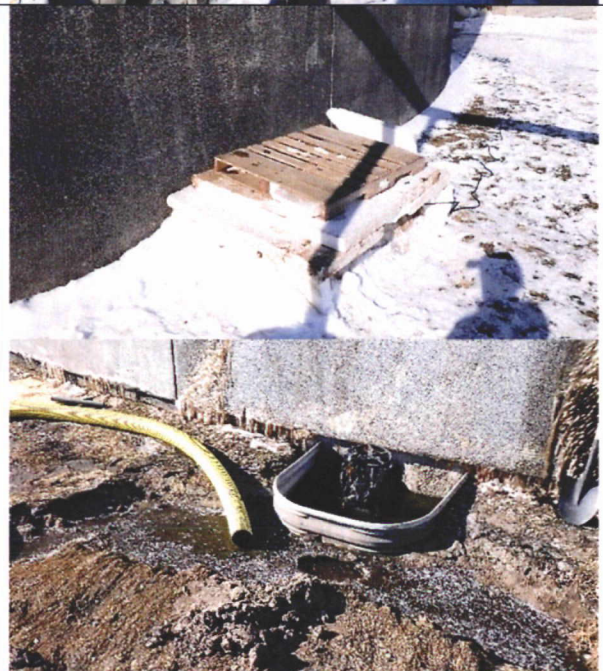
Time: 0955

The AltEn LLC thin stillage discharge water remains as a large pooled area behind the make-shift dam constructed on the upstream (west) side at this location. Ken Peterson (AltEn Plant Manager) showed up while I was at this location. He told me they had placed additional earthen material here to stop the seepage through the culverts. He also said they planned to start pumping the liquid from this location back into a lagoon yet today. A hose was stretched out in this area, but no pump was in place when I was there.

**STOP 6 – ALTEN LLC FACILITY DIGESTERS**

Time: 1010

Ken Peterson (AltEn Plant Manager) led me to the digesters and gave me a quick tour. I did not observe any discharges from either the north or south stillage tank. The top photo is the covered pipe/valve housing on the north tank and the bottom photo is of the one that failed on the south tank.

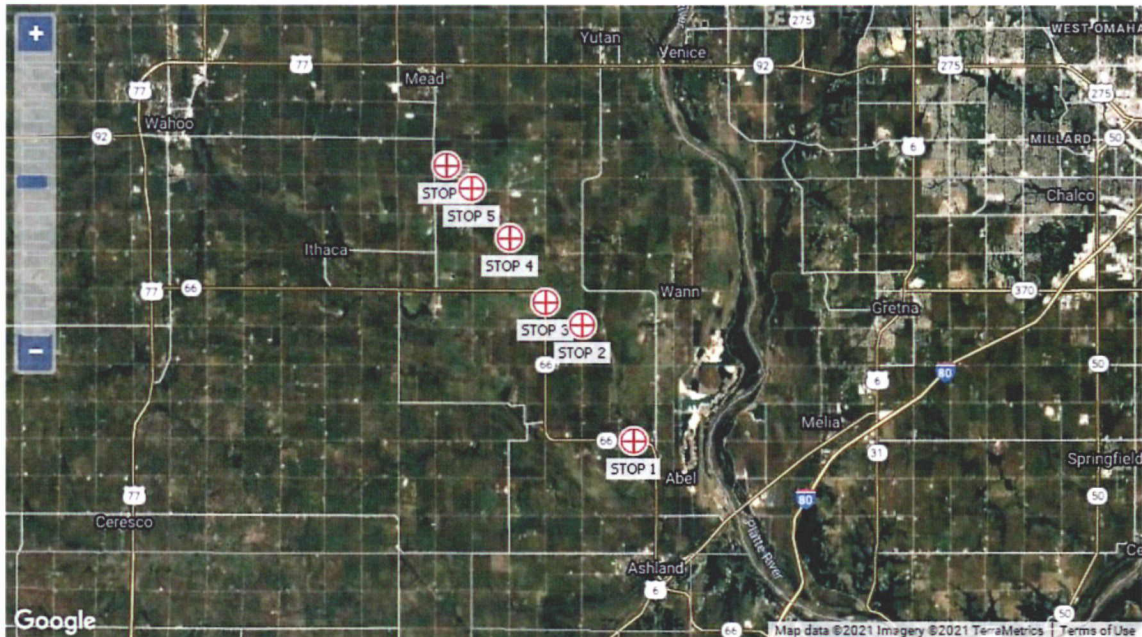


**ADDITIONAL INFORMATION / COMMENTS:**

Ken Peterson (AltEn Plant Manager) did tell me they were in the process of constructing an additional berm/dam on the affected channel approximately ½ mile south of the "Stop #5".



## 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 West 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 LLC Facility Digesters

Call facility (KEN PETERSON – 6[REDACTED]) prior to entry, check in at office if required, proceed to the digesters. HARD HAT and Safety Glasses – We need to confirm efforts to prevent a second release from this area.