

## Morrow, Kirk

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**From:** Morrow, Kirk  
**Sent:** Tuesday, February 23, 2021 9:30 AM  
**To:** Scott Tingelhoff  
**Cc:** kpeterson@mrgkc.com; dzalesky2@unl.edu; mtingelhoff@mrgkc.com; Doug Ferguson (Ferguson.Doug@epamail.epa.gov); Buell, Thomas; Pracheil, Brad; TJ.Engstrom@cleanharbors.com  
**Subject:** RE: DAILY OBSERVATIONS (FEB 22 (PM))  
**Attachments:** ALTEN OBSERVATIONS (Gorman-PM22FEB).pdf

RE: ALT EN LLC  
MEAD, NEBRASKA

NDEE FAC ID: 84069

PROGRAM ID: 021221-NH-0845

Mr. Tingelhoff:

For your use and information.

Attached is my group's observations from yesterday afternoon.

Sincerely,

Kirk Morrow, P.G.  
Emergency Response Program  
Nebraska Dept. of Environment & Energy  
P.O. Box 98922  
Lincoln, NE 68509-8922



**DATE: 2-22-21**

**INVESTIGATOR: Brian Gorman**

**WEATHER: Mostly Sunny, 46°F, WSW Wind, 5-10 MPH**

**STOP 1 – HIGHWAY 66 WEST of  
ASHLAND GUN CLUB**  
1425 Hours

Looking North. Open water, fairly clear. Can see creek bottom. Water was flowing slowly. No odor noted.

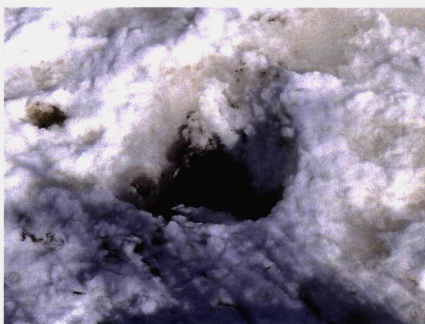


**STOP 2 – North of the Intersection of  
COUNTY ROADS 6 & F**  
1441 Hours

Looking west at creek and culvert. Creek is ice-covered. No open water.



West side of culvert – hole chipped in the ice shows no sign of free liquid or water flow.



**STOP 2 – North (continued)**

Looking east – Creek is frozen over, no sign of flowing water.

**STOP 3 – Road 7/Highway 66**

1455 Hours

Photo taken on west side of culvert looking east. Holes cut in the ice have water in them. No obvious water flow. Water is a turbid brown in color. The culvert is blocked with sandbags and a tarp. Some liquid was on the surface of the ice, slightly brown in color.



Photo shows the culvert on the east side of the road. A hole drilled in the ice contains a murky brown water. No obvious water flow.



**STOP 4 – County Road 8, North of Road H**  
1515 Hours

Photo is looking east from a culvert just south of the creek. A hose had been laid out through the culvert under Road 8. No liquid was being pumped at the time of this observation.

Photo was taken looking east at the culvert on the west side of Road 8. The creek is iced over. No open water is visible on the surface or in the hole drilled in the ice.

Photo is looking east on the east side of Road 8. Some water is sitting on top of the ice. No obvious discoloration in the water.





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

1535 Hours

Photo taken looking at the west side of Road 9 just before the culvert. A PTO-driven pump and hose was actively pumping water from this location during my observation. Slightly turbid water was flowing into this ponded area from the west under the ice.

Photo shows the tractor and the PTO-driven pump being used to pump water from the creek. Brian Jacob of Lagoon Pumping & Dredging was on-site at the time of my observation.

Photo shows the creek on the east side of Road 9. There was no visible water and the creek was ice covered.



**STOP 6 – ALTEN LLC FACILITY****DIGESTERS**

1600 Hours

I was accompanied by Ken Peterson. This photo shows the drain on the north digester. The drain has been covered, insulated, and has a heat lamp inside according to Mr. Peterson. No contents have been drained from the north digester yet.

Photo shows the south digester drain that failed.

Photo shows the emergency lagoon looking east. Mr. Peterson said they had stopped pumping liquid from this lagoon to the main lagoons. He said the liquid being pumped from Stop 5 was being pumped into the main lagoons, not the emergency lagoon as of the date and time of my observation.

**ADDITIONAL INFORMATION / COMMENTS:**

While I was at Stop 5, Mr. Jacob of Lagoon Pumping & Dredging inquired about the test results and questioned the need to pump what he considered clear water back to the lagoons. He also questioned the validity of using conductivity to determine the location of the waste. I told him I would pass his questions on to Tom Buell. Clean Harbors was also on-site at Stop 5 during my visit.

