

84069  
AIR 155 00052

**NEBRASKA**  
DEPT. OF ENVIRONMENTAL QUALITY

***MEMORANDUM***

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**DATE:** [October 18, 2018]  
**TO:** [AltEn LLC] **FACILITY ID:** [84069]  
**THRU:** [Brad Pracheil]  
**FROM:** [Greg Lang]  
**RE:** Field Screening Site Visit

An air screening site visit was made to the AltEn, LLC site south of Mead Nebraska by myself and Brad Pracheil on October 18, 2018. The visit was in response to recently received local landowner complaints. The purpose of this visit was to assess the intensity of the physical odors off-site, and to screen the air at locations downwind of the facility. Three 'field screen' samples were collected and later forwarded for testing.

We arrived on site at 9:55 a.m. The skies were clear and winds were from the south - southwest at 6 to 14 mph. Temperature was 52 degrees F. We drove along three property boundaries to physically assess the intensity of the odors, and to select the best air screening locations.

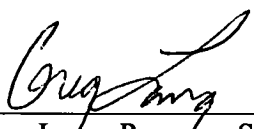
Observations/Findings:

1. We drove along the western, northern and eastern property boundaries of the facility.
2. We could smell physical odors along the three property boundaries, but odors were most intense along the northern property boundary (Road K), at downwind locations in line with the prevailing south-southwest winds.
3. The strongest sustained odors were evident beginning just west of an old water tower along Road K and continued to the northwestern corner of the property.
4. Air screening began along this length of Road K starting at 10:20 a.m. Screening was completed by 12:30 p.m.
5. Three ambient air screens were collected in Tedlar® bags. Attachment A shows the three screening locations and identification numbers.
6. Visible emissions were observed coming from the bio-char unit when we arrived in the morning but were not evident later in the day. Emission from the unit indicate that it is operating.
7. We departed the site at 12:40 and returned to Lincoln.

**Attachments**

Attachment A – Aerial Photo with Air Screening Locations

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Greg Lang, Program Specialist

Date 10-22-18

**Attachment A**

Screening Location #2  
Screening Location #1

Screening Location #3

County Rd 10

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Imagery Date: 5/5/2017 41°12'00.64" N 96°28'25.54" W elev 1193 ft eye alt