

## CLOSURE CHECKLIST FOR SOLID WASTE PROCESSING FACILITIES

### FACILITY TYPE

☒ **Transfer Station**
☐ **Materials Recovery Facility**
☐ **Compost Site**
☒ **Other Processing Facility**
☐

### GENERAL INFORMATION

FACILITY AltEn, LLC		FACILITY ID # 84069	PERMIT # NE020447	
ADDRESS 1344 County Road 10		CITY Mead	COUNTY Saunders	STATE NE
			ZIP CODE 68041	
OWNER/ADDRESS Mead Cattle Company, LLC 1344 County Rd 10			TELEPHONE NUMBER	
OPERATOR/CONTACT Scott Tingelhoff, General Manager			TELEPHONE NUMBER (402) 624-2000, ext. 108	
			EMAIL stingelhoff@mrgkc.com	
DATE 12/11/20	TIME/ARRIVAL 0935	TIME/DEPARTURE 1200	WEATHER Cloudy, north wind 18 mph	
TEMP 36°F				
INSPECTOR Jason Holsten accompanied by Blayne Glissman				
PREVIOUS INSPECTION DATE/VIOLATIONS 10/23/18 - No violations.				

Mark the box **SAT** (Satisfactory) or **UNS** (Unsatisfactory) in the appropriate column to denote compliance status with Title 132-Integrated Solid Waste Management Regulations. Mark **NA** if the requirement is not applicable to this location or **NE** if not evaluated. Additional information may be provided for each requirement in the Comments box following each section.

PERMITS/APPLICATIONS/PROCEDURES (TITLE 132-CHAPTER 2)		PRE-INSPECTION		ON SITE	
		SAT	UNS	SAT	UNS
007.03	Operating record is maintained at the facility or in an alternate location approved by the NDEE			X	
007.03F	Operating record includes closure plan and required monitoring, testing or analytical data			X	
007.06	Operating record made available for inspection			X	
007.09	Departmental Inspector allowed entry and access to facility records during reasonable hours			X	
<b>COMMENTS</b>					
1. Due to the COVID-19 pandemic, Mr. Tingelhoff was contacted beforehand on 12/3/20 in order to coordinate the inspection.					

CLOSURE CRITERIA (TITLE 132-CHAPTER 6)		PRE-INSPECTION		ON SITE	
		SAT	UNS	SAT	UNS
005.01	Closure plan that describes steps necessary to close the facility at any point during the active life of the facility	X			
005.02	Notification submitted 180 days prior to the date closure is expected to begin	1			
005.03	Implementation of closure plan within 30 days of receipt of final volume of waste	1			
005	Facility closed in accordance with approved closure plan				2
005.03	Copies of notification of date of receipt of final volume of waste, the date of initiation of closure and the date of the completion of closure placed in the Operating Record				3
005.04	Closure completed within 180 days after the last receipt of waste				3





005.01B	Post-closure activities for the inactive site consistent with the approved closure plan		X	
<b>COMMENTS</b>				
<p>1. Mr. Tingelhoff submitted an email with attached letter on 6/29/20 providing notice that the facility was closing pads 1 &amp; 2 and retaining pad 3 for future use. Mr. Tingelhoff submitted another email and letter on 9/14/20 providing notice that the facility was closing pad 3 effective immediately. The Department sent a letter to the facility on 9/21/20 stating that they have determined they would accept the 6/29/20 notification as the official notification and would apply this date for all three pads to be closed and 12/26/20 would be the date for beginning closure. A review of Department files regarding the facility implementing the closure plan within 30 days of receipt of final volume of waste was unclear in the facility's correspondence (see comment 3).</p> <p>2. The facility had completed some of the requirements listed in their approved closure plan. However, some requirements, e.g., notification and recording, required further clarification and/or explanation to include dates (see comment 3). Mr. Glissman and I used a site drawing from the approved permit application in determining the boundaries of the three compost pads and identified the approximate locations of the pads in relation to G alley markings on adjacent cattle pens. These boundaries were hand written on the drawing by Mr. Glissman (Attachment I). For the most part, all three compost pads were clear of material (Photographs 1-4). The pads had been scraped and all vegetation previously observed had been removed. Some material was observed around pre-existing concrete structures although it was unknown if this was compost material or soil (Photographs 5-6). Mr. Tingelhoff was encouraged to remove this material, where possible. Distiller's grain was observed off the compost pads on the east and west side of the pads (Photographs 7-10). Liquid was observed on the southern edge of the compost pads (Photographs 11-15) and presumably drained towards the east into one of two holding ponds (Photographs 16 &amp; 17). It is unknown if the liquid from these ponds is pumped to the livestock waste control holding pond (Photograph 18). The approved closure plan states that "stormwater remaining in the storage pond will be removed and land applied as required by the discharge permit for Livestock Waste Control Facility under Title 130. Runoff from the compost site is controlled by the livestock waste control holding pond." In addition, work was being done to the west of the composting area to promote drainage (Photograph 10).</p> <p>3. We explained to Mr. Tingelhoff that he needed to provide specific and detailed information/dates to the Department regarding the following: date of receipt of final volume of waste, the date of initiation of closure, and the date of the completion of closure. It was further explained that this information would also need to be placed in the facility's operating record.</p>				

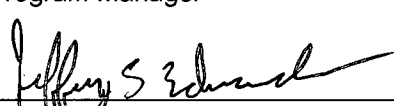
OTHER REQUIREMENTS/RECORDS SPECIFIC TO THIS FACILITY	ON-SITE	
	SAT	UNS
Special waste permit condition #3 states "the Permittee must perform deep soil analysis to a depth of 48 inches in areas where the previous year's soil samples at the 36 inch depth showed a nitrate concentration above 50 pounds per acre or 7 parts per million (PPM) Flow Injection Analysis (FIA) nitrate.		1
<b>COMMENTS</b>		
<p>1. Facility representatives have reported that the composting pads had been empty and composting activities had not occurred at the facility since July/August 2016. However, at various times since then distiller's grain has been observed on the pads during site visits by Department staff. A review of the facility file shows that a Soil Analysis and Hydraulic Conductivity Report was received from Settje Agri-Services on behalf of the facility on 9/20/16. After reviewing this report, the Department requested additional sampling based upon elevated nitrate concentrations at two sampling locations. Additional sampling was conducted and reported on 12/1/16. The results indicated elevated nitrate concentrations at one sample location. I was unable to locate any additional information in the facility file to determine if further sampling was conducted regarding the one sample location that continued to have elevated nitrate concentrations. However, during the 2017 permit modification, the above listed special waste permit condition was added to the permit. It is possible this was as a result of the elevated nitrate concentrations. Mr. Tingelhoff was requested to review the facility's operating record to see if there are any additional soil analysis records after the 12/1/16 sampling event and if so share those analysis records with the Department. If annual soil analysis was not being conducted; he was requested to provide an explanation to the Department as part of the closure process.</p>		

ATTACHMENTS

- I. Site Drawing w/ hand written notes (1 page)
- II. Photographs (9 pages)
- III. NDEE Inspection Exit Summary (1 page)

  
\_\_\_\_\_  
Inspector

  
\_\_\_\_\_  
Program Manager

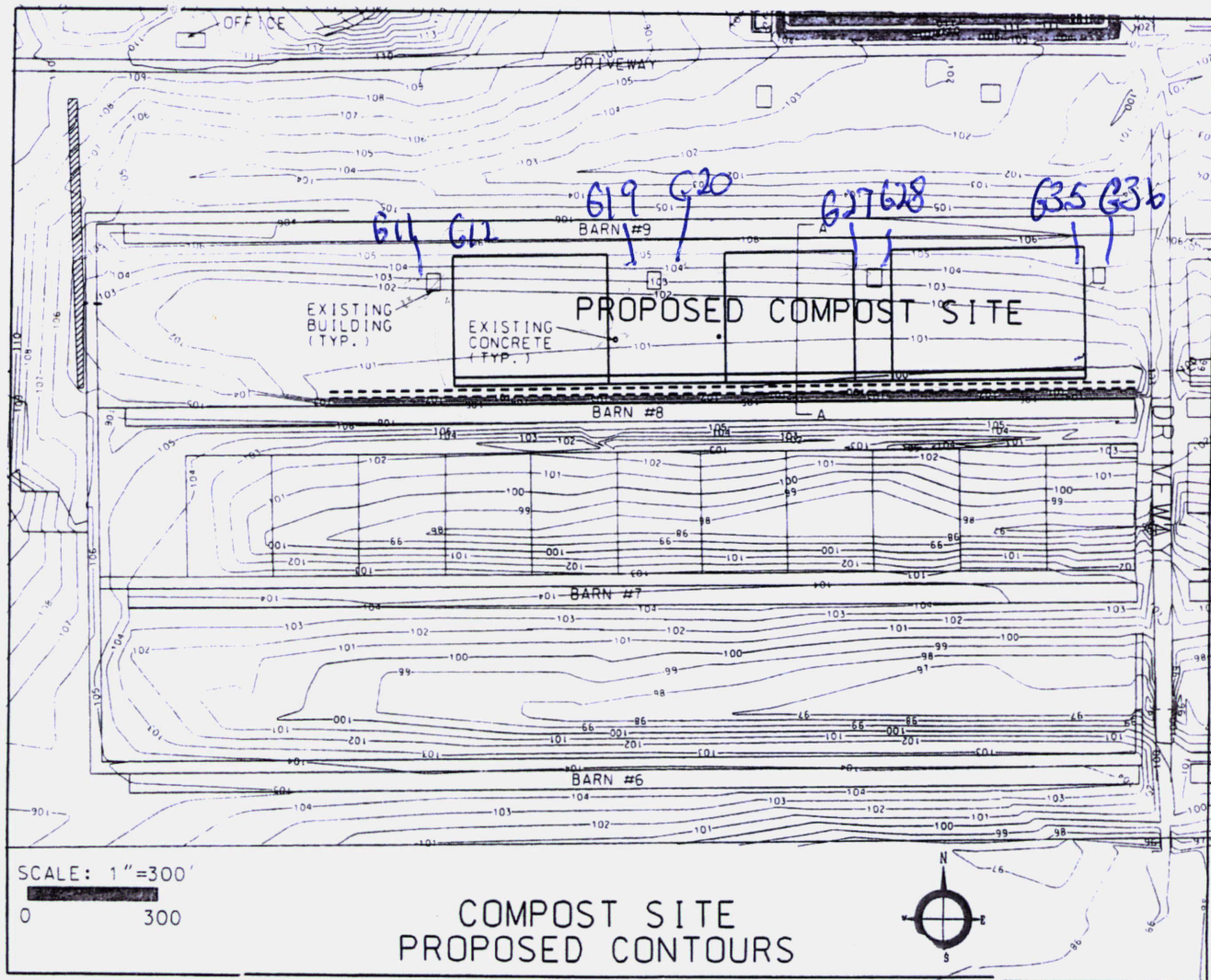
  
\_\_\_\_\_  
Compliance Section Supervisor

1-12-21  
Date

1-12-21  
Date

1-14-21  
Date

**ATTACHMENT I**  
Site Drawing w/ Hand Written Notes



## **ATTACHMENT II**

### **Photographs**



Photograph 1  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking south, photograph showing the eastern edge of the compost area.



Photograph 2  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

From the eastern edge of the compost area, photograph looking west across the compost area along the northern edge.





Photograph 3  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

From the western edge of the compost area, photograph looking east across the composting area.



Photograph 4  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking west, photograph showing the area that is considered compost pad 3.







Photograph 5  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking east, photograph showing material observed around a pre-existing concrete structure.



Photograph 6  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking south, photograph showing the material mentioned in photograph 5.



Photograph 7  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking east, photograph showing distiller's grain piled off and to the east of the compost area.



Photograph 8  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking north, photograph showing the pile of distiller's grain mentioned in photograph 7.





Photograph 9  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking west southwest, photograph showing material piled off and to the west of the compost area.



Photograph 10  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Photograph showing a closer view of the material mentioned in photograph 9. Photograph also shows the work being done to promote drainage in the area. This drainage area flows into the area mentioned in photographs 11-14.





Photograph 11  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking east, photograph showing standing liquid observed along the southern edge of the compost area.



Photograph 12  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Photograph showing a closer view of standing liquid observed along the southern edge of the compost area.





Photograph 13  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking west, photograph showing standing liquid observed along the southern edge of the compost area.



Photograph 14  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking east, photograph showing a culvert located southeast of the compost area. The culvert runs under a road and drains into an adjoining cattle yard. Standing liquid observed and mentioned in photographs 10-13 flows towards this culvert.



Photograph 15  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking east from the road, photograph showing where liquid drains through the culvert mentioned in photograph 14 and into this adjoining cattle yard.



Photograph 16  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking west, photograph showing a holding pond. Site drainage from areas mentioned in photographs 10-15 drain to this pond. It is unknown if liquid from this pond is pumped to the ponds shown in photographs 17 and/or 18.





Photograph 17  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking west, photograph showing another holding pond that was located south of the pond mentioned in photograph 16.



Photograph 18  
Date: December 11, 2020  
Photographer: Jason Holsten  
Camera: Ricoh WG-50  
NDEE ID: 84069  
Program ID: NE0204447  
Subject: AltEn, LLC Compost Facility

Looking south, photograph showing what is presumed to be the livestock waste control holding pond for Mead Cattle.



**ATTACHMENT III**  
**NDEE Inspection Exit Summary**

Inspection Exit Summary

NDEQ ID 84069 NDEQ Program ID NE020447 NDEQ Notification # \_\_\_\_\_

Facility/Operation Name AITEN, LLC

Address 1344 Candy Rd 10

City/Town Mead, County Saunders, State of Nebraska

Owner/Occupant/Operator Inspection Contact(s) Scott Tingelhoff

Inspector Phone No E-Mail address

Jason Holsten 402.471-4218 Jason.holsten@nebraska.gov

Blayne Glissman 402.471-4708 blayne.glissman@nebraska.gov

Mailing Address Department of Environmental Quality, PO Box 98922, Lincoln, Nebraska 68509-8922

Inspection Date: 12-11-20 Start Time 0935 End Time 12:00

☐ No concerns observed

☐ Further agency discussion needed

☒ Concerns observed

- Provide dates for receipt of final volume of waste, date of initiation of closure and date of the completion of closure
- Mr. Tingelhoff was requested to review the last soil analysis records and share with the Dept. the most recent records results to determine if additional sampling would be required.
- Address liquid in ditch on south end of compost pads


☐ Actions to be performed immediately or as soon as reasonably practical

These items can all be addressed in a final closure letter submitted to the Department from Mr. Tingelhoff.

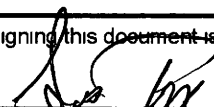
Please notify the Inspector when the above actions are completed

The Department will provide a final inspection report to you usually within 45 days of the inspection. The final inspection report will contain a complete list of any alleged violations. This inspection exit summary does not preclude any other legal action by the Nebraska Department of Environmental Quality and your prompt attention to the documented concerns will be considered in assessment of your voluntary compliance. This summary was left

with Scott Tingelhoff Please contact the Inspector if you have any questions concerning this inspection exit summary

  
Inspector Signature

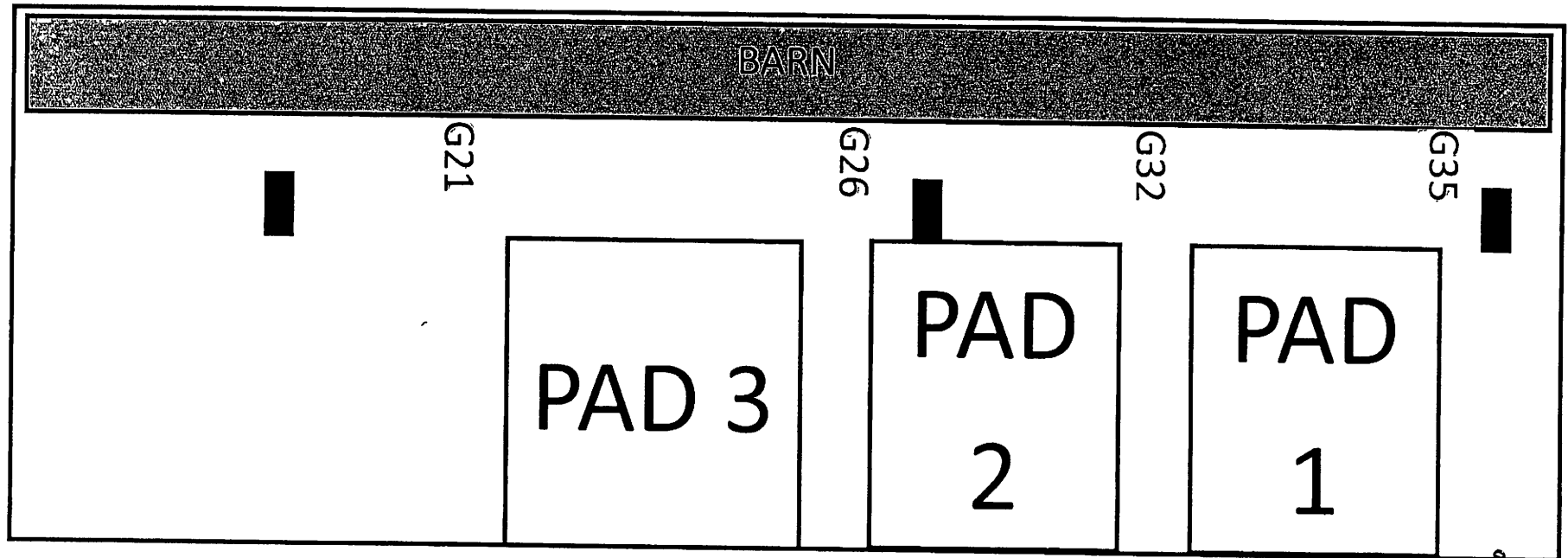
Signing this document is not an admission of liability by the facility

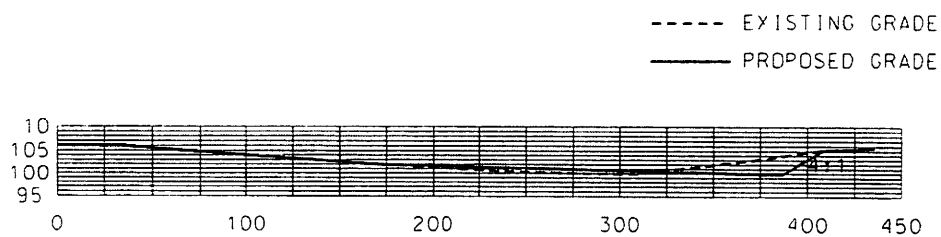
  
Inspection Contact Signature

## Compost Map (not to scale)

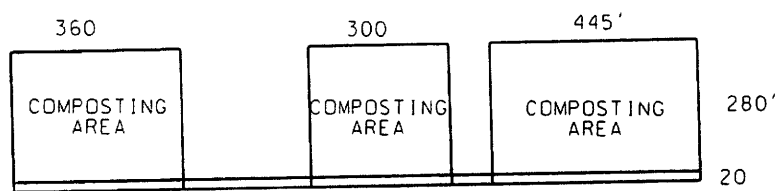
The yellow numbers are the numbers on the barn

N





SECTION A-A



PROPOSED COMPOST SITE

COMPOST SITE  
PROPOSED CONTOURS