



January 26, 2024

BORDERLINE BUILDINGS LLC
PO BOX 471
NASHUA IA 50658

SUBJECT: Animal Feeding Operation (AFO) Compliance Inspection for – Borderline Buildings SW Site,
County – Mitchell, – Facility #63657

Dear Borderline Buildings LLC:

Attached is a copy of the report resulting from the Animal Feeding Operation (AFO) facility compliance inspection on January 22, 2024.

Your attention is directed to the requirements and recommendations portion of the report.

If you have any questions, or feel this report does not represent the conditions at your facility, please call me at 641/424-4073.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Watterson", with a long, horizontal, sweeping line extending to the right.

Daniel Watterson, Environmental Specialist
daniel.watterson@dnr.iowa.gov
Field Services and Compliance Bureau

enc: -AFO Facility Inspection Report
-MMP Inspection Form

Copy: Chad Roe (via email: chad.roe@roefarms.com)

IOWA DEPARTMENT OF NATURAL RESOURCES AFO INSPECTION REPORT



FACILITY DESCRIPTION

FACILITY LOCATION	Facility: Borderline Buildings SW Site			Facility ID#: 63657	
	Address: 3327 500th St.		City: Riceville	State: IA	Zip: 50466
	PLSS: Section 12, Wayne Township (T100N, R15W), Mitchell County				
OWNER	Name: Borderline Buildings LLC				
	Address: NA		City: NA	State: NA	Zip: NA
ANIMAL HOUSING TYPE	<input checked="" type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input type="checkbox"/> Combined (Confinement & Open Lot)				
ANIMAL INFORMATION	Animal Type(s)	Capacity	Current Head	Number of Bldgs./Pens	
	Swine	2400	2400	1	
	Date of Construction: 5/1/05		Date of Expansion: NA		

INSPECTION INFORMATION

INSPECTION DATE	This Inspection: January 22, 2024		Last Inspection: 3/10/08	
PERSONS INTERVIEWED	Name: Chad Roe		Title: Site Manager	
	Name:		Title:	
	Name:		Title:	
NEAREST WATERCOURSE	Stream Name: Upper Iowa River			
	Description of Flow Path: Surface flow through cropland and road ditches			

COMPLIANCE SUMMARY

OBSERVATIONS	Nutrient Management: <input type="checkbox"/> CNMP <input type="checkbox"/> NMP <input checked="" type="checkbox"/> MMP <input type="checkbox"/> Other <input type="checkbox"/> No formal plan			
	Manure Stockpiling: <input type="checkbox"/> In controlled area <input type="checkbox"/> In compliance with rules <input checked="" type="checkbox"/> Not applicable – direct haul <input type="checkbox"/> Stockpiling in an uncontrolled area	Mortality Management: <input type="checkbox"/> Rendering <input checked="" type="checkbox"/> Composting <input type="checkbox"/> Incineration <input type="checkbox"/> On-site burial <input type="checkbox"/> Landfill	Runoff from Feed Storage: <input checked="" type="checkbox"/> No outdoor feed storage area <input type="checkbox"/> Discharge from feedstock storage area is controlled <input type="checkbox"/> Feed storage is located in an uncontrolled area	
	Clean Water Diverted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Discharge to a Water of the U.S. via Manmade Conveyance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Direct Animal Contact with Waters of the U.S.: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Adjacent Facilities (by same owner/operator): <input type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input checked="" type="checkbox"/> None			
	Evidence of Discharges: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	None observed during inspection			
	NPDES PERMIT STATUS The facility, as observed during the inspection, was a Medium AFO and did not need an NPDES permit. NPDES permit is required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
COMPLIANCE STATUS This facility appeared to be in compliance with Iowa's environmental regulations at the time of the inspection. Actual conditions may vary over time with the operation and maintenance of the facility. Facility is in compliance: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
AUTHENTICATION	Inspector: Daniel Watterson 	Date: 1/26/24	Reviewer: Jeremy Klatt 	Date: 1/26/24

IOWA DEPARTMENT OF NATURAL RESOURCES
AFO INSPECTION REPORT

FACILITY EVALUATION

Bio-Security

Prior to my inspection I discussed bio-security with you. You did not have any site bio-security protocols so I followed the approved DNR bio-security policy.

Manure Storage Structures

During my inspection, I observed your manure storage structure. It appears to adequately contain manure with no evidence of manure discharges and appears to be structurally sound. Manure is stored in a below building deep pit. No tile intakes were observed near the barn. I recommend you inspect for discharges and needed repairs regularly, as confinement feeding operations must contain all manure produced between periods of application. Any discharges may require a National Pollutant Discharge Elimination System (NPDES) permit for the operation.

Bulk Bins

During my inspection, I observed feed is contained in a bulk bin feed system. The bins, feed tubes and various attachments appear to be intact and effectively containing feed. I did not observe feed spilled on the ground from feed transfer to the bins. Inspect this part of the operation frequently, as runoff water could carry spilled feed into a water course where it could create violations of state water quality standards. Discharge of such pollutants would potentially require a National Pollutant Discharge Elimination System (NPDES) permit.

Composting

Mortalities are placed in a compost structure. During the inspection, I observed the facility's animal composting area is in a proper location and is well-maintained. No animal parts were visible. The composting area appears to have adequate cover of co-compost (such as wood chips, sawdust or corn stalk bales). I did not observe runoff or ponding of water in this area.

Livestock mortalities must be incorporated into the composting process as quickly as possible. The co-compost must be maintained with an adequate base layer (from 12 to 24 inches thick, depending on the size and number of mortalities), with 6 to 12 inches between carcasses, and a minimum of 12 inches to cover carcasses. Cover should be maintained to control runoff and to prevent access by scavenging animals.

MMP Inspection

I reviewed the MMP and application records during the onsite inspection and found no violations. Manure was applied during the last 5 years by R&S Pumping-CMS# 2554, who are certified applicators. Application rates have been about 4000 gal/ac each year, which is less than the MMP calculated maximum. Any changes to application rates shall be kept with each year's manure application records. You do not take manure samples every year so ensure a new sample is collected at least every 4 years and the rates recalculated.

Please be advised that any planned commercial nitrogen fertilizer application must be included in the manure management plan so regularly follow-up with the crop farmers to ensure their commercial fertilizer plans are accounted for in the planned application rates. This includes any nitrogen applied as a starter, as a herbicide carrier, or side dressed during the growing season. Any nitrogen in granular fertilizers such as MAP or DAP must also be accounted for.

Water Well

The water well for the site is located to the southeast and site drainage is directed away from the well.

REQUIREMENTS

1. Ensure the MMP is submitted every year by May 1.

RECOMMENDATIONS

1. Regularly inspect the manure storage structure and make needed repairs.
2. Regularly inspect the bulk feed bins and clean up any spilled feed.

IOWA DEPARTMENT OF NATURAL RESOURCES
AFO INSPECTION REPORT

SUMMARY

This is a medium AFO consisting of one barn with a below building deep pit for manure storage. There were no manure spills or discharges documented during the onsite inspection. No violations were documented during the MMP and application records inspection. Overall the facility is being properly managed and is in good condition.

INSPECTION PHOTOS



Photo 1—Compost bins



Photo 2—Front of barn, bulk bins

2023 Aerial Photo





IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION



AFO Facility Inspection Checklist

Facility Name: Borderline Buildings LLC-SW Site

ID#: 63657

Date: 1/22/24

MMP Review		Yes	No	N/A
1.	MMP updates submitted on time in last five years?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	MMP Page 1. Manure concentration/production correct (using both actual or table values)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	MMP Page 2. Using appropriate manure nitrogen availability (ISU or other credible sources)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	MMP Page 2. Commercial fertilizer applications accounted for?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	MMP Page 2. Application rate calculations are correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	MMP Page 2. Fields with P index >2.0 have planned application of less than 2X P removal rate?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.	MMP Page 3. MMP shows adequate acreage to apply manure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	MMP Page 3. Manure application agreements in place for all fields not owned or rented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.	P index/RUSLE2 calculations appear to be correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	P index Sediment Trap and Filter Factors, if credited are appropriate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Are the application fields in another MMP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Records Review		Yes	No	N/A
12.	5 years of records on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Rate calculation factors (yield, N credits, remaining N needed, N content & avail, max rate)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Date & method of manure application, application rate, and location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	Manure test result used was less than 4 years old at time of application?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	Manure applied at or below maximum allowed rate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.	Commercial N & P records kept for fields receiving manure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18.	All fields that received manure are/were in MMP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19.	Statement of Intent for fields not owned or rented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20.	Manure always applied by certified applicator?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21.	All soil samples are <4 years old?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22.	1 sample/10 acres of field?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23.	Correct soil test method & laboratory used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Site Inspection		Yes	No	N/A
24.	All site separation distances appear to be met (wells, residences, designated areas, etc)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25.	Manure storage structure(s) free of excessive cracking or other defects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26.	Site free of indications of past manure discharges (dead grass, etc)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27.	Adequate freeboard maintained where required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
28.	Pit fan transitions are appropriate design/installation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29.	Site has groundwater monitoring port/shutoff or surface outlet? (Required if permitted after May 1999; unpermitted sites after Sep 2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mortalities		Yes	No	N/A
30.	Temporary storage area for rendering creating no obvious water quality issues?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
31.	Compost facility meets minimum separation distances?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32.	Compost is on all-weather surface (concrete, asphalt, compacted granular, compacted soil)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33.	Compost operation meets requirements of Chapter 105 (no exposed carcasses, leachate, etc)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34.	Finished compost stored less than 18 months?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction Permit (if applicable)		Yes	No	N/A
35.	All conditions of construction permit are being met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
36.	Authorization to use granted?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments R&S Pumping (themselves) does application

Apply about 4000 gal/ac each year

Manure sample collected in 2020, will need to update for this year or use book values

SPECIALIST NAME Daniel Watterson

ON-SITE CONTACT Mailed

DATE 1/22/24