



October 2, 2019

Neal Brenneman  
2130 380<sup>th</sup> Street  
Sioux Center, IA 51250

SUBJECT: Animal Feeding Operation (AFO) Compliance Inspection for –Neal Brenneman, County –  
Sioux, – Facility #56310

Dear Mr. Brenneman:

Attached is a copy of the report resulting from the Animal Feeding Operation (AFO) facility compliance inspection on August 20, 2019.

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 712-262-4177.

Sincerely,

Jennifer Christian, Environmental Specialist  
Jennifer.Christian@dnr.iowa.gov  
Field Services and Compliance Bureau

JC:lw

enc: -AFO Facility Inspection Report  
-Photos of Site and Aerial Photo

ag19/84br1002-ins.docx

**IOWA DEPARTMENT OF NATURAL RESOURCES  
AFO INSPECTION REPORT**


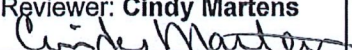
**FACILITY DESCRIPTION**

<b>FACILITY LOCATION</b>	Facility: <b>Neal Brenneman</b>			Facility ID#: <b>56310</b>	
	Address: <b>2130 380<sup>th</sup> Street</b>		City: <b>Sioux Center</b>	State: <b>IA</b>	<b>51250</b>
	PLSS: <b>Section 26, Garfield Township (T96N, R47W), Sioux County</b>				
<b>OWNER</b>	Name: <b>Neal Brenneman</b>				
<b>ANIMAL HOUSING TYPE</b>	<input type="checkbox"/> Confinement <input checked="" type="checkbox"/> Open Lot <input type="checkbox"/> Combined (Confinement & Open Lot)				
<b>ANIMAL INFORMATION</b>	Animal Type(s)	Capacity	Current Head	Number of Bldgs./Pens	
	<b>Beef Cattle</b>	<b>999</b>	<b>700</b>	<b>4 pens</b>	
	Date of Construction: <b>unknown</b>		Date of Expansion: <b>2010</b>		

**INSPECTION INFORMATION**

<b>INSPECTION DATE</b>	This Inspection: <b>August 20, 2019</b>	Last Inspection: <b>November 26, 2014</b>
<b>PERSONS INTERVIEWED</b>	Name: <b>Neal Brenneman</b>	Title: <b>owner</b>
<b>NEAREST WATERCOURSE</b>	Stream Name: <b>Dry Creek</b>	
	Description of Flow Path: <b>from east to west</b>	

**COMPLIANCE SUMMARY**

<b>OBSERVATIONS</b>	Nutrient Management: <input type="checkbox"/> CNMP <input type="checkbox"/> NMP <input type="checkbox"/> MMP <input type="checkbox"/> Other <input checked="" type="checkbox"/> No formal plan			
	Manure Stockpiling:	Mortality Management:	Runoff from Feed Storage:	
	<input checked="" type="checkbox"/> In controlled area <input type="checkbox"/> In compliance with rules <input type="checkbox"/> Not applicable – direct haul <input type="checkbox"/> Stockpiling in an uncontrolled area	<input checked="" type="checkbox"/> Rendering <input type="checkbox"/> Composting <input type="checkbox"/> Incineration <input type="checkbox"/> On-site burial <input type="checkbox"/> Landfill	<input type="checkbox"/> No outdoor feed storage area <input checked="" 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			
<b>NPDES PERMIT STATUS</b>	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			
<b>COMPLIANCE STATUS</b>	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			
<b>AUTHENTICATION</b>	Inspector: <b>Jennifer Christian</b>	Date:	Reviewer: <b>Cindy Martens</b>	Date:
				<b>10/1/19</b>



**IOWA DEPARTMENT OF NATURAL RESOURCES**  
**AFO INSPECTION REPORT**

**Facility Evaluation**

Your facility has the capacity of housing 999 head of cattle in four pens. The closest water source that your feedlot drains towards is Dry Creek which is located approximately 2350 feet to the west. Your facility is located in Section 26, Garfield Township, Sioux County, Iowa. It is classified as a Medium Animal Feeding Operation (AFO) because it has a capacity of housing 300 to 999 head of cattle.

The minimum requirement for all open feedlots is to settle out solids prior to discharging to any water of the state, and the facility may not cause a water quality violation which includes causing an objectionable color, odor, or other aesthetic condition. During the time of the inspection, your facility was not discharging into a water of the state and there were no violations observed.

**Open Lot**

All pens drain towards the south/southwest through two separate solids settling structures. Effluent enters a vegetated area that drains to the west, parallel with the road ditch, and then towards the north along a fence line in your field. A berm was constructed along the ditch to prevent any runoff from traveling down the ditch and discharging into Dry Creek. I highly recommend that you inspect this berm often to ensure that it is directing your runoff into your field.

There was no evidence of runoff entering Dry Creek and your structures appeared to be functioning as designed. Overall, your pens were in great condition and runoff is not an issue.

**Feed Storage**

Your feed storage area is located to the northeast of your east pens. All feed is covered and runoff is not a concern.

**Stockpile**

Manure is stockpiled to the west of the west pens and is land applied in the fall.

**Miscellaneous**

All deceased livestock are rendered by Sioux Valley.

A deep well is located to the northeast of your house and is up gradient of your feedlot.

**Bio-Security**

The approved DNR bio-security policy was followed during the inspection.

**Documentation Collected**

Photographs representing the site conditions were taken and printed for this report.

**Requirements/Recommendations**

- Land apply manure at agronomic rates.
- Settle out solid manure prior to discharging to any water of the state and you cannot cause a water quality violation.

**Summary**

There was no runoff observed during the inspection and your pens and manure control structures appeared to be well maintained. Please contact our office at 712-262-4177 if you have any questions concerning regulations that may apply to your facility.



Looking West at the east pens.



Looking SW at the manure stockpile.



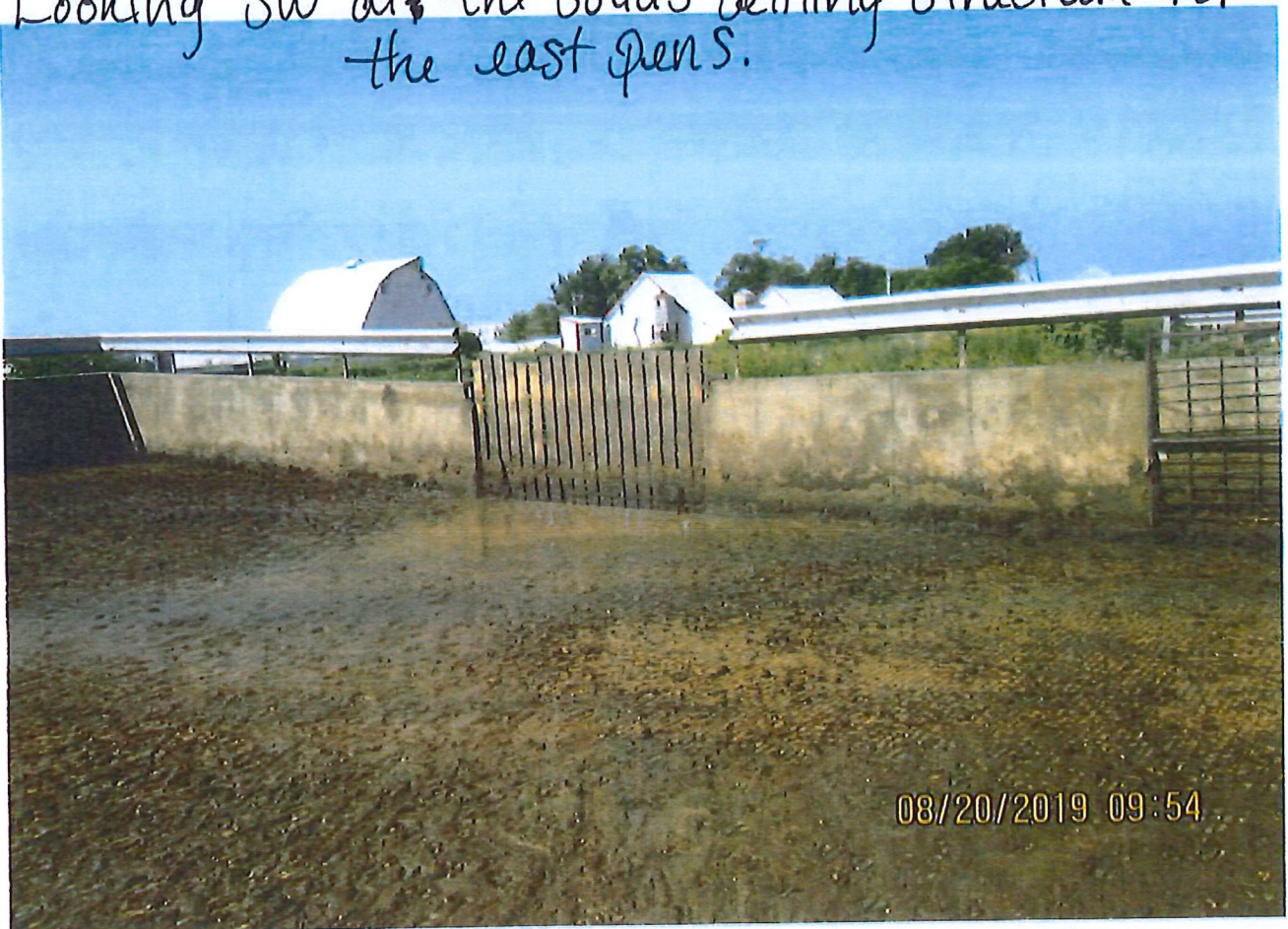


Looking south at the west pen.



08/20/2019 09:57

Looking SW at the solids settling structure for the east pens.



08/20/2019 09:54

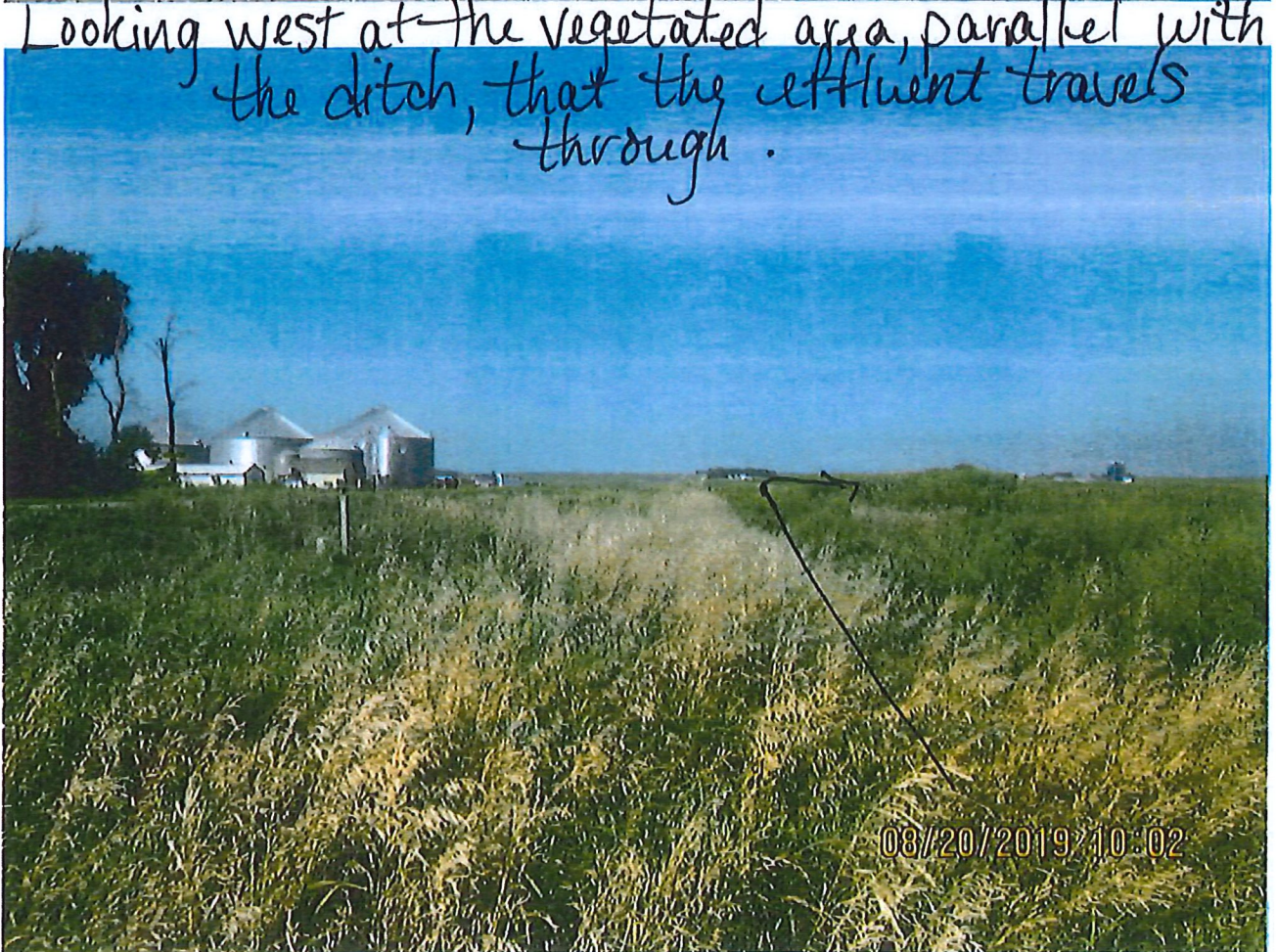


Looking north at the feed storage.



08/20/2019 10:08

Looking west at the vegetated area, parallel with the ditch, that the effluent travels through.



08/20/2019 10:02



Neal Brenneman, #56310

AFO Siting



Map Layers Legend

- AFO Siting Data
- Sinkholes
- Ag Drainage Well
- Wells
- GeoSam Database
- Permitted Private Wells
- Private well Tracking System
- Public Water Supply Wells
- Water Use Permit Wells
- Animal Feeding Operation
- Active, Confined/Open
- Active, Confinement
- Active, Open Feedlot
- Inactive
- Public Drainage Infrastructure
- Drainage Districts
- High Qty Wtr Resource (Rivers)
- High Qty Wtr Resource (Waterb)
- Major Water Source (Rivers)
- Major Water Source (Lake)
- Surface Water
- Public Land
- Public Land Survey (PLSS)
- Sinkhole or Potential Karst
- Sinkhole w/ 1000 ft radius
- Karst and Potential Karst
- Alluvial Soils
- AFO Model/Support Data
- Ag Drainage Well Distance

UTM Zone 15 NAD83 WGS84  
228770.84, 4778136.41 -96.357847, 43.106683

t96nr47w26

502 E. 9th St, Des Moines, IA 50319





Agencies Social

Neal Brenneman, # 56310

AFO Siting

Basemaps Measure Bookmarks Mail Map Info

Map layers Legend

- AFO Siting Data
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  - Ag Drainage Well Distance



UTM Zone 15 NAD83 226757.19, 4777654.21 WGS84 -96.357778, 43.102344

196m47426

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