



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VII
CONCENTRATED ANIMAL FEEDING OPERATION INSPECTION CHECKLIST – SHORT FORM

A. GENERAL INFORMATION

FACILITY NAME Kevin Wynja Farms			INSPECTION DATE 3/23/21	ARRIVAL TIME 1300
ADDRESS (b) (6)			INSPECTOR Joe Heafner/Lorenzo Sena	
CITY Orange City	STATE IA	ZIP CODE 51041	STATE INSPECTOR (If Present) Lois Benson/Andrea Errthum/Matt Jefferson	
LEGAL DESCRIPTION (Quarter, Section, Township, Range) NE ¼, SE ¼, Sec. 13, T96N, R45 W		COUNTY Sioux	TEMPERATURE 40° F	PRECIPITATION TYPE 0.5" – 1.0" during inspection
Facility Owner(s):	NAME Kevin Wynja	PHONE (b) (6)		
	NAME Hulstein Feedyards LLC (owns confinement barn)	Phone		
Facility Operator:	NAME Kevin Wynja	E-mail (b) (6)		
	NAME	PHONE		

Business/Corporate Status:

B. ANIMAL FEEDING OPERATION INFORMATION

TYPE OF OPERATION	NUMBER OF ANIMALS*	CAPACITY	TYPE OF CONFINEMENT
☒ BEEF CATTLE	850 in open lots 900 in barn	999 in open lot 999 in barn	☐ OPEN LOT
☐ DAIRY			☒ DUAL CONFINEMENT
☐ SWINE			☐ TOTAL CONFINEMENT
☐ TURKEYS			☐ OTHER
☐ CHICKENS			
☐ OTHER			

* Number present at the time of Inspection

1.	Are animals stabled/confined and feed/maintained for 45 days or more during a twelve-month period?	☒ YES	☐ NO
2.	Are any crops, vegetation, forage growth, or post harvest residues sustained in the normal growing season over any portion of the lot or facility where animals are kept?	☐ YES	☒ NO
3.	Do the animals have direct access to waters of the United States and/or its tributaries?	☐ YES	☒ NO
4.	Does the facility have the ability to discharge livestock waste to water of the United States via a man made conveyance (Culvert, Ditch, Field Tile, etc.)?	☒ YES	☐ NO

If Yes, provide a detailed description of the conveyance.

During the inspection, a tile outlet was observed to be discharging process wastewater from the facility into an unnamed tributary of the West Branch of the Floyd River (photos 14, 18, & 19). Mr. Wynja stated that he did not know where the tile inlet was but thought it might have been north of the residence.

Process wastewater from the open lots flows south into a solid setting area located south of the open lots and appears to dissipate within the settling area (photos 9-13).

Process wastewater from the confinement barn is collected and stored in deep pits underneath the barn.

C. EXISTING LIVESTOCK WASTE CONTROL FACILITIES

1.	Does the facility have any existing Livestock Waste Control Facilities?	☒ YES	☐ NO
a.	LWCF Type: ☒ Sedimentation, Settling Basin, or Solid Settling Structure ☐ Holding Pond, Lagoon, or Settled Open Feedlot Effluent Basin ☒ Other (Please Specify) <u>Deep pit Barn</u>		
b.	What is the total capacity of the LWCF?	Unknown; Pit barn is 14' deep	
c.	What is the required storage capacity?	N/A	
d.	Does the LWCF collect all or partial runoff from the facility?	Collects partial runoff from the facility	
e.	Is process waste water from the feedstock storage area collected/controlled?	☒ YES	☐ NO
f.	Does the facility maintain records onsite that document the liquid levels for this LWCF?	☐ YES	☒ NO
g.	Type of Outfall: ☒ None ☐ Riser Pipe ☐ Spill Way ☐ Slatted Gate ☐ Other (Please Specify) _____		
h.	Provide a detailed description of the area receiving the discharge from the outfall. Process wastewater from the confinement barn is collected and stored in deep pits underneath the barn. Process wastewater is removed, then land applied on agricultural fields during the fall after crops have been removed. During precipitation events, process wastewater from the open lots and feedstock storage area flows to the south and southeast into a solid settling area south of the open lots (photos 9-13). Process wastewater appears to dissipate into the ground within the solids setting area while solid manure remains. During the inspection, process wastewater was observed to be discharging from a tile pipe south of the solids settling area and into an unnamed tributary of the West Branch of the Floyd River (photos 14,18,&19). Mr. Wynja stated that he did not know where the pipe inlet was. During the inspection, I observed that the pipe appeared to be coming from a direction that would place it underneath the solids setting area and feedstock storage area or open lots.		

Additional Remarks:

D. LIVESTOCK WASTE MANAGEMENT

1.	Does the facility have any existing livestock waste management systems?	☒ YES	☐ NO
	If yes, provide a detailed description of the waste management system (include structure types, capacity and condition. Include solid and liquid manure handling, feed storage areas, and/or mortality waste). See section C. h. for a description of the flow paths for process wastewater from the open lots, feedstock storage area, and confinement barn. Mortalities are handled by a rendering service. According to Mr. Wynja, manure and process wastewater from the confinement barn is handled by the owners of the barn (Hulstein Feedyards). Mr. Wynja stated that the facility has approximately 200 acres that are available for the land application of manure solids from the open lots.		

E. RECEIVING SURFACE WATERS

1. Provide a detailed description of the flow path from the facility to the nearest named surface water and complete a *Stream Nexus Form*. (Include detailed descriptions of all unnamed tributaries, ditches, and/or other flow paths *i.e.*, depth, width, color, odor, slope, amount of water present, soil type, erosivity, etc.)

An unnamed tributary of the West Branch of the Floyd River located south of the solids settling area flows southeast for approximately 2 miles before entering the West Branch of the Floyd River near 370th Street and Ironwood Avenue (photos 4-5 & 17 - 21). At the time of the inspection both the unnamed tributary and the West Branch of the Floyd River were flowing. Mr. Wynja stated during the inspection that the unnamed tributary flows throughout the year.

After the inspection, I filled out the Stream Nexus form for the unnamed tributary and for the West Branch of the Floyd River (attachment 4).
3. What is the name of the nearest named surface water? West Branch of the Floyd River
4. USGS Classification of the named surface water: ☒ Perennial ☐ Intermittent

F. DISCHARGES

1. Is the facility currently discharging livestock waste from the production area? ☒ YES ☐ NO
2. Was a sample taken?
(If YES, then attach sampling report, including a detailed description of the sampling methods and protocols used, including representative samples, background, holding times where the samples were collected, a detailed description of the weather conditions, and preservation techniques.) ☒ YES ☐ NO
3. Provide a detailed description of the flow pathway and the area(s) receiving the discharge(s). (Include Photographs)

A tile outlet was observed discharging process wastewater into the unnamed tributary of The West Branch of the Floyd River. The table below represents the results of the sample that was conducted during the inspection. See attachment 5 for the full data transmittal package for the sampling event.

Parameter ¹	Sample #1 Tile Pipe Discharge	Sample #2 Upstream	Sample #3 Downstream
NH ₃ -N	47.4	1.10	2.52
TKN	174	4.90	13.1
Total P	19.8	1.80	1.60
NFS	1560	9.50	113
NO ₂ +NO ₃ -N	5.70	9.50	8.35
BOD	484	13.4	35.4
E. coli	2,000,000	13,000	240,000
Chlorides	200	40	47.5
pH	7.52	7.45	8.3
Temperature	6.5	8.5	6.87

G. OTHER COMMENTS/NOTES

On Monday, March 22, 2021, I arrived at the Kevin Wynja Farms facility and made contact with Mr. Wynja. I stated that I would like to conduct an Animal Feeding Operation (AFO) inspection at the facility on Tuesday, March 23, 2021. I explained that I would come back at 1:00 p.m. on Tuesday March 23, 2021, to conduct the inspection. Mr. Wynja stated that he would be available. I arrived at the facility on Tuesday, March 23, 2021, at approximately 1:00 p.m. and met with Mr. Wynja. The weather conditions at the time of the inspection were cool and rainy. The air temperature was 40 degrees Fahrenheit. The surrounding area received approximately 0.5 to one inch of rain on March 23, 2021. I presented my credentials to Mr. Wynja and informed him that I was there to perform an AFO inspection to evaluate if the facility was in compliance with requirements of the Clean Water Act (CWA). I then informed him of the purpose and the scope of the inspection. I introduced Mr. Lorenzo Sena also of EPA and Ms. Lois Benson, Ms. Andrea Errthum, and Mr. Matt Jefferson of the Iowa Department of Natural Resources and stated that they were there to observe the inspection. At that time, I asked Mr. Wynja if the facility had a bio-security protocol. He stated that the facility did not have one. I then informed him that since the facility did not have a bio-security protocol, I would follow U.S. EPA Region 7's bio-security protocol during the inspection. I then made Mr. Wynja aware of his confidentiality rights and informed him that a Confidentiality Notice, which he reviewed, would be provided at the end of the inspection to make any claims. Mr. Wynja stated that he owned and operated the open lots while Holstein Feedyards LLC owned the confinement barn. Mr. Wynja stated that he feeds cattle in the confinement barn and the open lots, however, Holstein Feedyards Inc. handles the process wastewater from the confinement barn. Mr. Wynja acted as the designated official and provided all of the information pertaining to the facility operation. During the visual inspection, I took 21 photographs to document observations (attachment 2 for photos 1 - 21 and photo log).

At the conclusion of the inspection, I asked Mr. Wynja to sign the Confidentiality Notice (attachment 3) which he reviewed, then signed, indicating that no confidential business information was collected during the inspection. I did not collect any documentation during the inspection; however, I did request that the cattle inventory be sent to me at a later date. As of the date of this report, I have not received the requested animal inventory from Mr. Wynja.

Mr. Wynja stated that the facility was a cattle-feeding operation. He stated that the operation has been at the current location since the 1950's. He stated that open lots 6-10 were added in 2012 and that the confinement barn was added in 2019. He said that he buys 600 – 700 pound calves and feeds them to a market weight of 1300 -1400 pounds. Mr. Wynja stated that there were approximately 850 cattle in the open lots and 850 in the confinement barn. Mr. Wynja also stated that he had approximately 300 - 400 head of cattle in a field north of the confinement barn from December 1, 2020 through March 1, 2021. Based on observations made during the inspection and the statements of Mr. Wynja, I determined that the facility meets the definition of a Large CAFO as it is defined in Title 40 of the Code of Federal Regulations, Part 122.23.

During the visual inspection, I observed the open lots and confinement barn. I observed that during precipitation events:

- Process wastewater from open lot, and feedstock storage areas, flow into a solid settling area located south of the open lots (photos 9-13). Process wastewater appears to dissipate within the solid settling area while solids remain in the area. During the inspection, Mr. Wynja stated that he has never cleaned the solids out of the settling area.
- Process wastewater from the confinement barn is stored in deep pits below the barn. According to Mr. Wynja, the owners of the barn clean the pits out on an annual basis in the fall.

During the inspection, Mr. Wynja stated that from December 1, 2020 through March 1, 2021, he had placed 300 – 400 head of cattle in a winter-feeding area north of the facility. Process wastewater from the winter-feeding area appears to flow south towards the solids settling area.

During the inspection, I observed the solids settling area and noted that it was not discharging (photos 9-13), however, I did observe a tile outlet that was discharging process wastewater into the unnamed tributary of the West Branch of the Floyd River (photos 14, 18, & 19).

G. OTHER COMMENTS/NOTES

See attachment 1 for the Facility Diagram and Aerial Photographs. No additional specific information was requested during the exit briefing.

At the time of the inspection, this was an unknown facility to the Iowa Department of Natural Resources (IDNR). No inspections have been conducted by the IDNR.

ATTACHMENTS INCLUDED WITH THIS CHECKLIST

1.	Facility Diagram/Color Aerial Photograph (5 pages)
2.	Photo/Video Log (13 pages)
3.	CBI Form (1 page)
4.	Stream Nexus Form (2 pages)
5.	Data Transmittal Packet (6 pages)
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Joe Heafner
Life Scientist

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Nicole Moran
Section Chief