

PLANNING & DEVELOPMENT

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Timothy Huey
Director

To: Mahesh Sharma, County Administrator

From: Timothy Huey, Planning Director

Date: March 27, 2018

Re: Staff recommendation on the State Construction Permit Application of JT Allens Grove Pork LLC. in the NE ¼ of SE ¼ & SE ¼ of NE ¼ of Section 32 T80N, R2E (Allens Grove Township) for two confined animal feeding buildings at 26413 75th Avenue in unincorporated Scott County.

On March 2nd the above referenced application was submitted to Scott County prior to submission to the Iowa DNR. Scott County has 30 days from the date it is received by the DNR to submit comments and a recommendation on that application. The DNR notified Scott County on March 14th it had received this application. Notice of the receipt of this application was published as a public notice on March 14th. A public hearing was held on March 22nd..

This request is for the construction of two new hog confinement buildings on farmland located on 75th Avenue in Section 32 of Allens Grove Township and requires compliance with the standards of the Master Matrix.

The Health Department and Planning and Development staff have reviewed the applicant's scoring of this application for compliance with the Master Matrix and CAFO standards. The Health Department has also reviewed the manure management plan. The results of that review are included with Board enclosures along with other materials related to this application.

Staff has not received any written, emailed or telephone comments on this request. The applicants spoke on their own behalf at the recent public hearing. A citizen also addressed the Board at the public hearing expressing his concern with the possible negative impacts on water quality from CAFOs.

The IDNR inspector from the Washington, Iowa district office will conduct an inspection of the site. Planning and Health Department staff will accompany the DNR inspector on the inspection of the site when it is scheduled.

Staff has determined that this application meets the scoring requirements of the Master Matrix as submitted and recommends the Iowa DNR approve the permit on that basis. The Board can consider the resolution stating that finding at its regular meeting agenda April 5th.

**JT ALLENS GROVE PORK LLC
MASTER MATRIX FOR THE
CONSTRUCTION OF A NEW
CONFINED ANIMAL FEEDING
OPERATION**

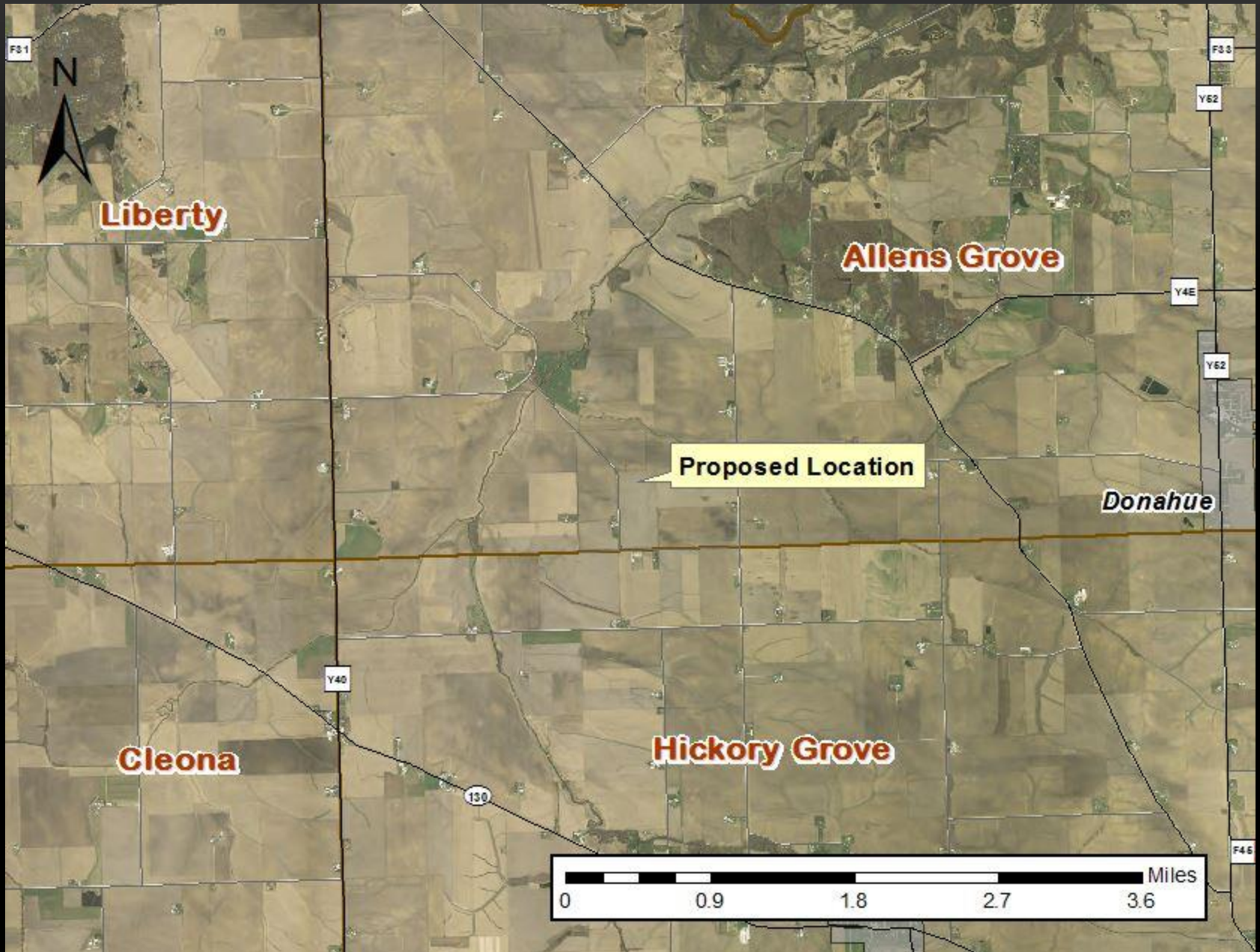
Scott County Board of Supervisors

Committee of the Whole Meeting

April 3, 2018

JT ALLENS GROVE PORK

- **Iowa Department of Natural Resources notified Scott County of receipt on March 14th**
 - **Scott County has 30 days to submit recommendation – Deadline April 13th**
 - **Recommendation to follow Public Hearing on March 22nd**
-



Liberty

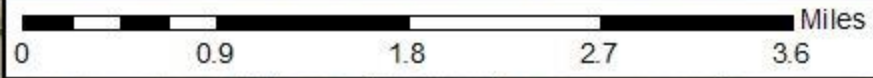
Allens Grove

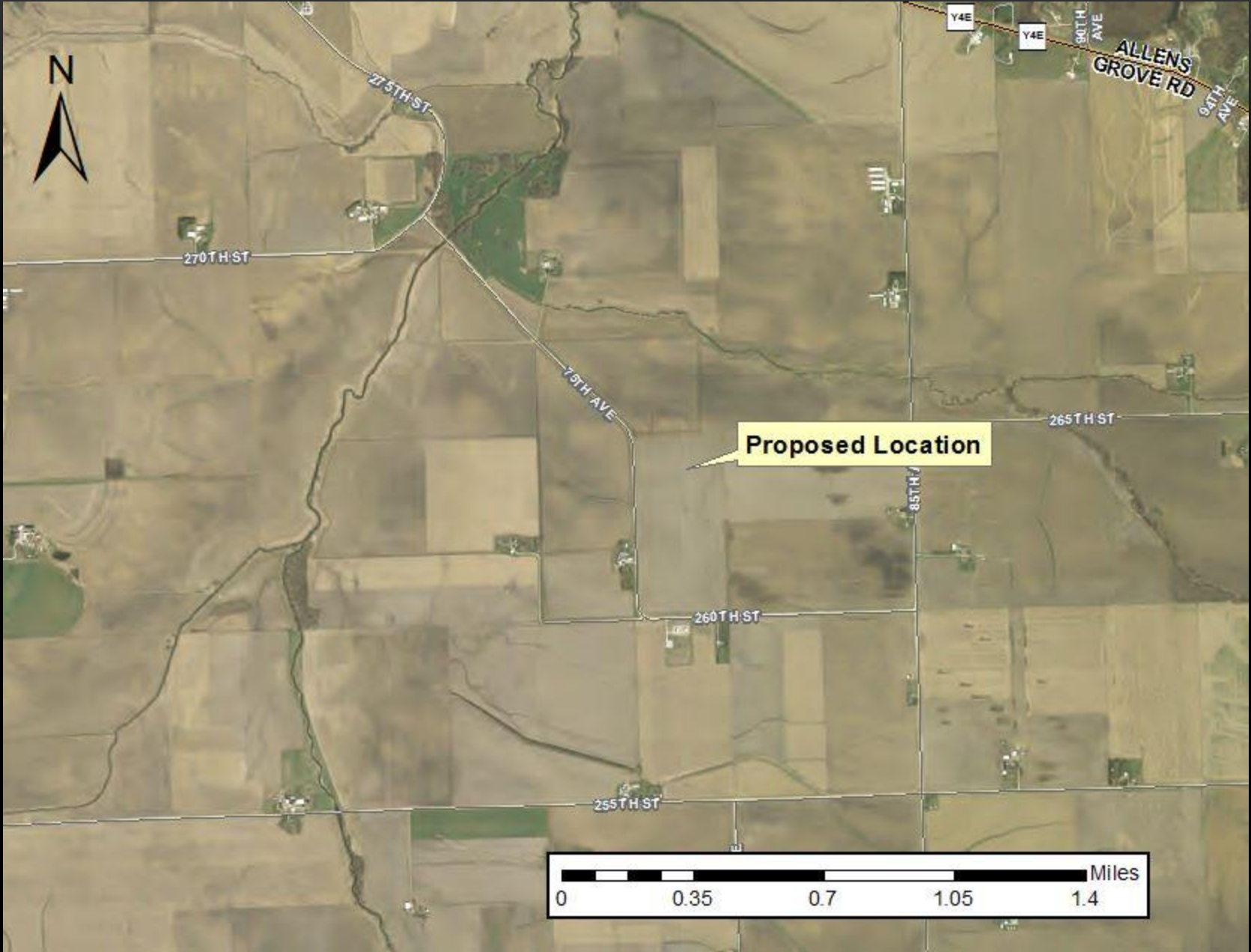
Proposed Location

Donahue

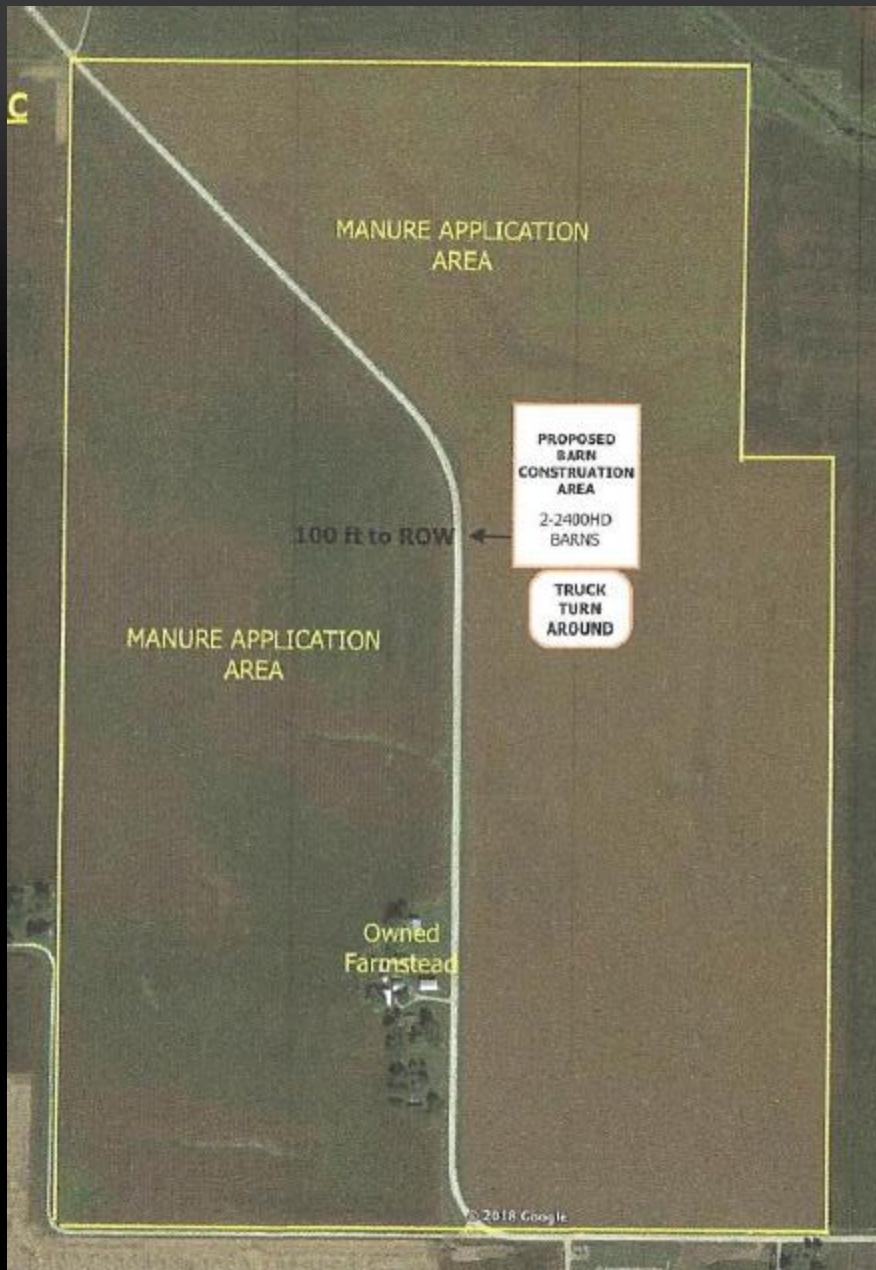
Cleona

Hickory Grove









2 new structures:

- (2) 241'4" x 81'2" wean/finish barns
- Each barn 2,400 head
- 1,920 Animal Unit Capacity (AUC)

THE MASTER MATRIX HAS 44 POSSIBLE SCORING CRITERIA

- **25 “Proposed Site Characteristics”**
 - **JT Allens Grove Pork scored on 15**
- **19 “Proposed Site Operations and Manure Management Practices”**
 - **JT Allens Grove Pork scored on 5**

SCORING REVIEW

Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#2 Additional separation distance above 2,500 feet from confinement structure to the closest public use area (>1,500 feet)	30	12	0	18



Proposed Facility

~13,000 ft

Cameron Timber Preserve

60TH AVE

Y40

Y40

60TH AVE

NEW LIBERTY RD

130

130

WAYSVILLE RD

NEW LIBERTY RD

ALLENS GROVER RD

ALLENS GROVER RD



Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#3 Additional separation distance above 2,500 feet from confinement structure to closest educational or religious institution, or commercial enterprise (>1,500 feet)	30	12	0	18



Y40

Y40

60TH AVE

60TH AVE

NEW LIBERTY RD

NEW LIBERTY RD

Plainview (unincorp)

Proposed Facility

~12,000 ft

130

130



Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#4 Additional separation distance above 500 feet from confinement structure to the closest water source (751-1,000 feet)	15	0	15	0



75TH
AVE

Mud Creek Tributary

~1,400 ft

Proposed Facility

Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#6 Additional separation distance above 2,500 feet from confinement structure to closest critical public area (>500 feet)	10	4	0	6



Y40

Y40

Proposed Facility

~12,000 ft

60TH AVE
60TH AVE

NEW LIBERTY RD

NEW LIBERTY RD

Plainview (unincorp)

130

130



Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
<p>#8 Additional separation distance above 1,000 feet from confinement structure to closest agricultural drainage well, known sinkhole, or major water source (>2,500 feet)</p>	50	5	25	20



270TH ST - 275TH ST

Mud Creek

75TH AVE

~3,900 ft

Proposed Facility

260TH ST



Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#10 Confinement structure is at least two times the minimum separation distance from closest High Quality (Resource) Waters (>2,000 feet)	30	0	22.5	7.5

Wapsipinicon River

Proposed Facility

~2.7 miles

ALLENS GROVE RD

275TH ST

290TH ST

115TH AVE

Y52

Y4E

N MAIN ST

S MAIN ST

115TH AVE

F31



Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#12 Liquid manure storage structure is covered	30	27	0	3
#17 Proposed manure storage structure is formed	30	0	27	3
#19 Proposed confinement site has a suitable truck turnaround area so that semitrailers do not have to back into the facility from the road	20	0	0	20
#20 No history of environmental and worker protection violations in the last five years	30	0	0	30

Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#22 Construction permit applicant can lawfully claim a Homestead Tax Exemption/is closest resident to proposed structures	25	0	0	25
#23 Construction permit applicant can lawfully claim a Family Farm Tax Credit for agricultural land where the proposed operation is to be located	25	0	0	25
#24 Facility size (1,000-2,000 Animal Unit Capacity)	20	0	0	20

Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#25 Application includes livestock feeding and watering systems that significantly reduce manure volume	25	0	12.5	12.5
#26 Liquid or dry manure – Injection or incorporation of manure on the same date it is land-applied	30	12	12	6

Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#31 Additional separation distance above 0 feet for land application of manure to closest public use area	5	2	0	3



Manure Application Area



~9,500 ft

Plainview (unincorp.)

Y40

60TH AVE

Y40

60TH AVE

NEW LIBERTY RD

NEW LIBERTY RD

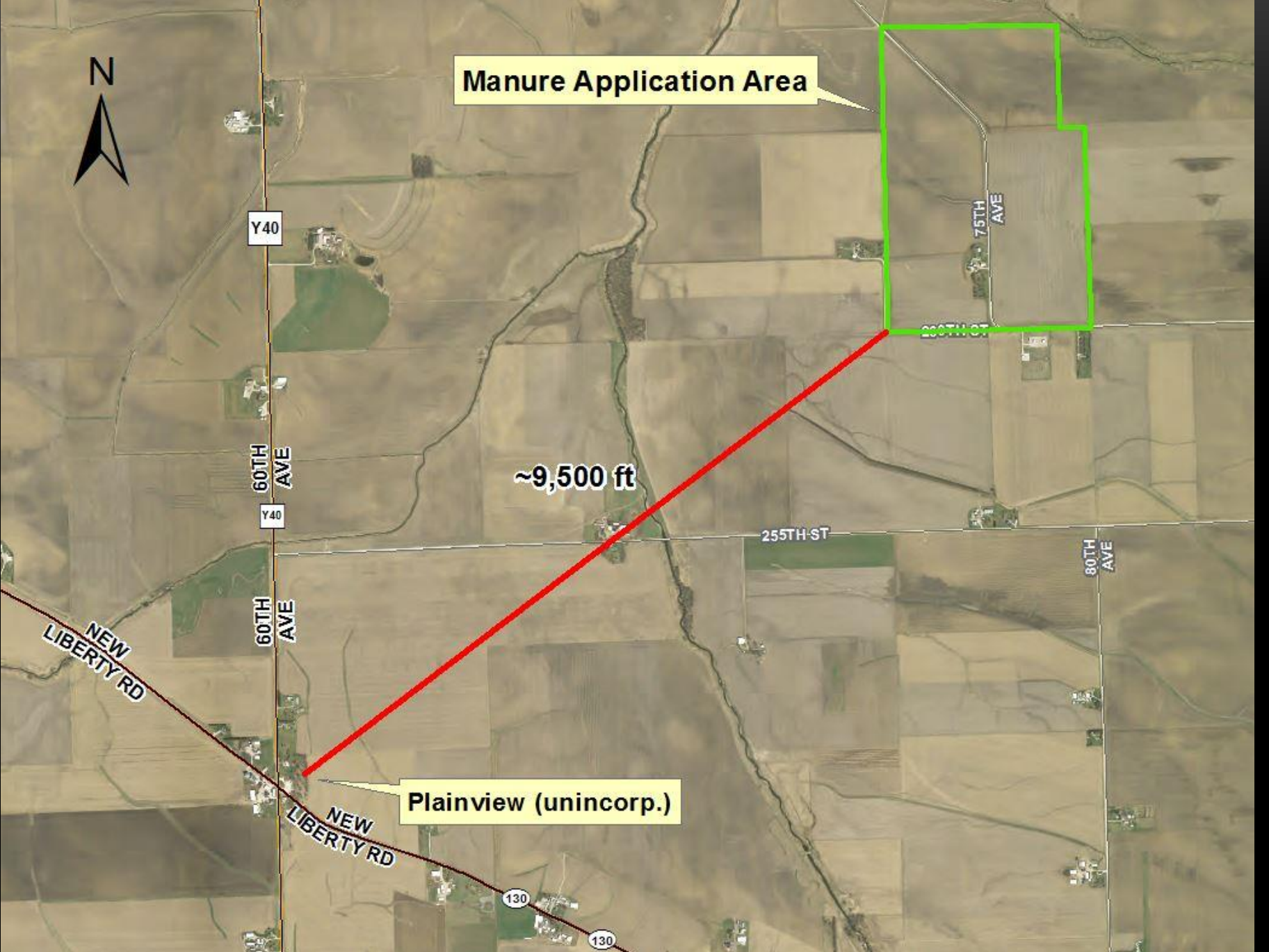
255TH ST

75TH AVE

80TH AVE

130

130



Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#32 Additional separation distance above 0 feet for the land application of manure to the closest educational or religious institution or commercial enterprise (>200 feet)	5	2	0	3



Manure Application Area



Y40

60TH AVE

Y40

60TH AVE

~9,500 ft

255TH ST

75TH AVE

200TH ST

80TH AVE

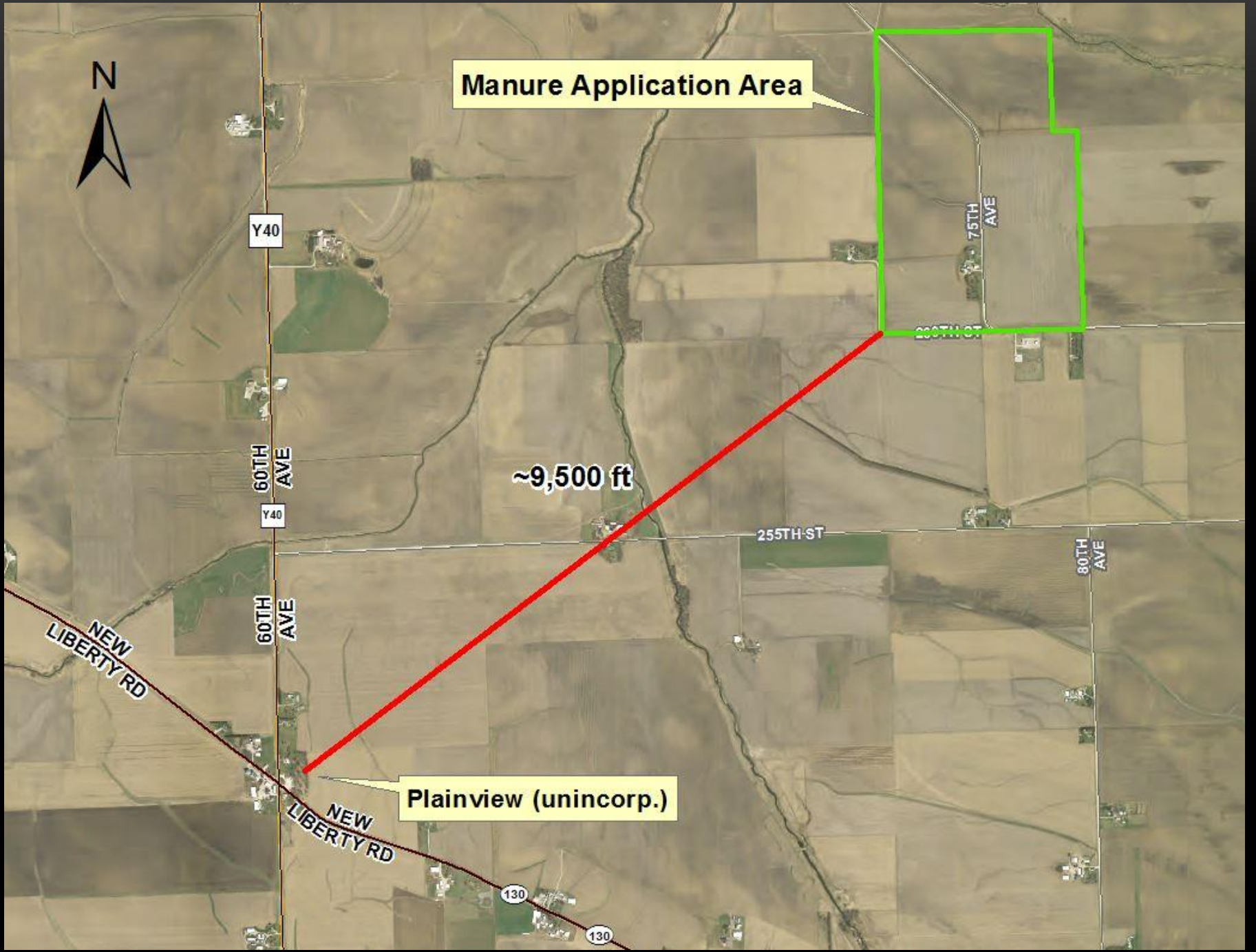
NEW LIBERTY RD

NEW LIBERTY RD

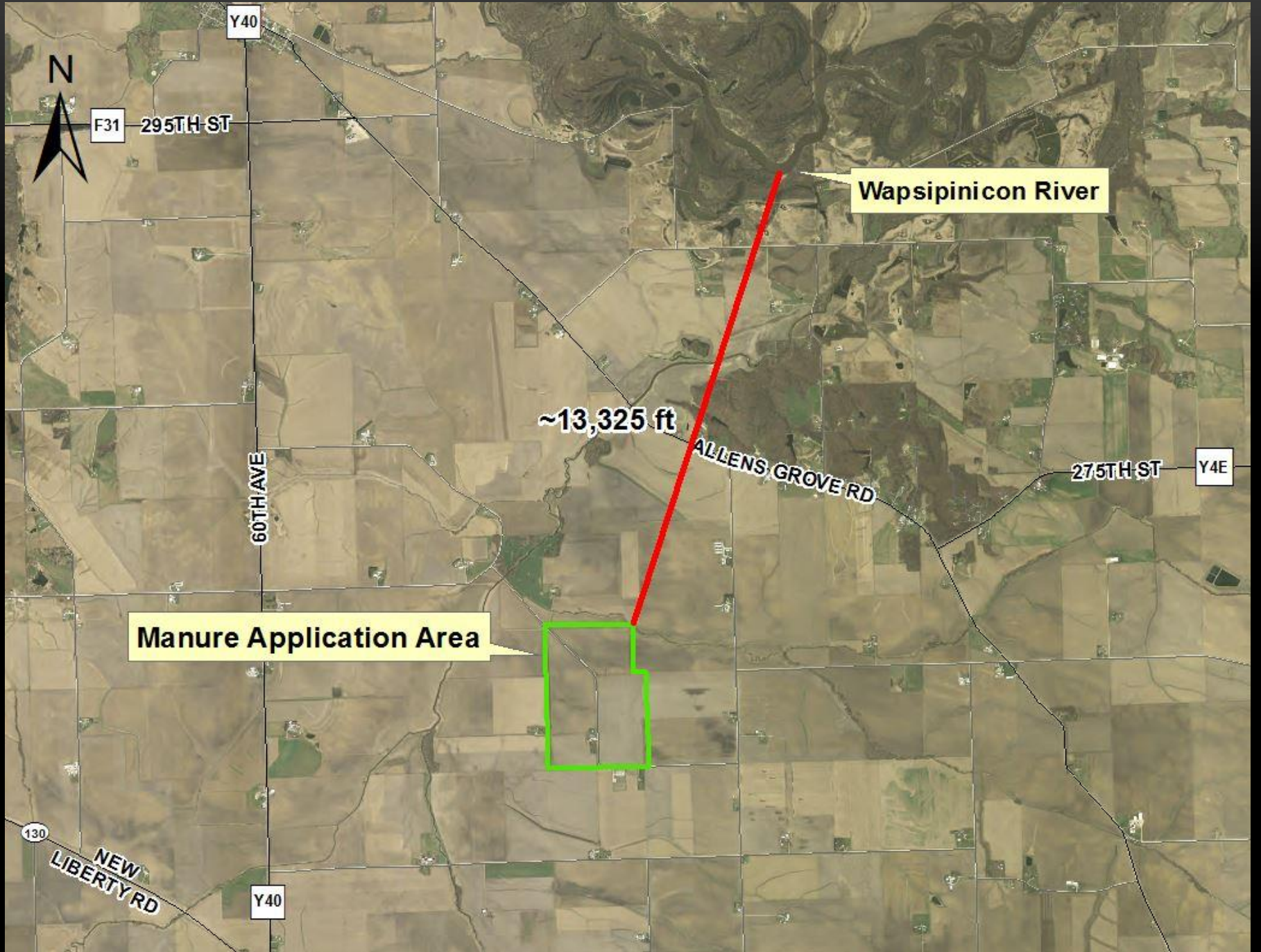
Plainview (unincorp.)

130

130



Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
#35 Additional separation distance for the land application of manure to the closest High Quality (Resource) Waters or Protected Water Area (>400 feet)	10	0	7.5	2.5



Y40

N

F31 295TH ST

Wapsipinicon River

~13,325 ft

ALLENS GROVE RD

275TH ST Y4E

60TH AVE

Manure Application Area

130

NEW LIBERTY RD

Y40

Scoring Criteria	Total Score	AIR	WATER	COMMUNITY
Total Score Possible	880	213.5	271	404.5
Total Score Required to Pass	440	53.38	67.75	101.13
JT Allens Grove Pork Total Score	455	83.5	139	232.5

Scott County's Review of the Scoring of Master Matrix for JT Allens Grove Pork LLC, 2018 New Facility

The Master Matrix has 44 possible scoring criteria:

The first 25 are listed under **Proposed Site Characteristics**,

The remaining 19 are listed under **Proposed Site Operation and Manure Management Practices**.

Applicants can choose amongst the various criteria in order to score points. Each criterion has a total point value which is then divided and weighted between any of the three subcategories of Air, Water, and Community.

The County can review each criterion upon which the applicant has scored and concur or not concur that the points are accurately taken. The County only reviews the criteria the applicant has used to score points, other criterion for which points are not taken are not evaluated, even though the application may meet that criterion. The selection of scoring criteria is the applicant's option. Evaluating that scoring is the County's option by adopting the Master Matrix.

Proposed Site Characteristics

Scoring Criteria	Total Score	Air	Water	Community
#2 Additional separation distance, above 2,500 foot minimum, to the closest Public use area (greater than 1,500 feet)	30	12.00	0.00	18.00
#3 Additional separation distance, above 2,500 foot minimum from closest school, church or business (greater than 1,500 feet)	30	12.00	0.00	18.00
#4 Additional separation distance, above 500 foot minimum, to closest water source (751 - 1,000 feet)	15	0.00	15.00	0.00
#6 Additional separation distance, above minimum of 2,500 feet, from confinement to the closest critical public area (500 feet or greater)	10	4.00	0.00	6.00
#8 Additional separation distance over the minimum 1,000 feet from drainage well, known sink hole or major water source (greater than 2,500 feet)	50	5.00	25.00	20.00
#9 Distance between proposed confinement structure and the nearest confinement facility that has submitted a manure management plan (3/4 mile or greater)	25	7.50	7.50	10.00
#10 Separation distance from closest high quality waters or protected water area (2x the minimum separation distance of 500 feet)	30	0.00	22.50	7.50

Scoring Criteria	Total Score	Air	Water	Community
#12 Liquid manure storage structures are covered	30	27.00	0.00	3.00
#17 Proposed Manure Storage Structure is Formed	30	0.00	27.00	3.00
#19 Truck Turnaround	20	0.00	0.00	20.00
#20 No history of Administrative Orders in last five years	30	0.00	0.00	30.00
#22 Homestead Tax Exemption	25	0.00	0.00	25.00
#23 Family Farm Tax Credit	25	0.00	0.00	25.00
#24 Facility Size (1 - 2,000 Animal Unit Capacity)	20	0.00	0.00	20.00
#25 Construction permit application includes livestock feeding and watering systems that significantly reduce manure volume	25	0.00	12.50	12.50

Proposed Site Operation and Manure Management Practices

Scoring Criteria	Total Score	Air	Water	Community
#26 Injection or incorporation of manure on the same date it is land applied	30	12.00	12.00	6.00
#29 Land application of manure does not occur on highly erodable land (HEL), as classified by the USDA NRCS	10	0.00	10.00	0.00
#31 Additional separation distance of 200 feet above minimum requirements (0 feet) for land application of manure to closest public use area	5	2.00	0.00	3.00
#32 Additional Separation distance of 200 feet for land application of manure to closest school, church, or business	5	2.00	0.00	3.00
#35 Additional separation distance of 400 feet above minimum requirements for the land application of manure to closest high quality waters or protected water area	10	0.00	7.50	2.50
Total Scoring by JT Allens Grove Pork LLC	455	83.50	139.00	232.50
Total Scoring by Scott County	455	83.50	139.00	232.50
<i>Minimum Score required to Pass Master Matrix</i>	440	53.38	67.75	101.13

IOWA MASTER MATRIX SUPPLEMENT

JT Allens Grove Pork LLC

March 2018

This document will provide documentation, design information along with operation and maintenance (O&M) plans for items in the Master Matrix where points were gained.

Table 1. Summary table of matrix questions receiving points

Question #	Description	Actual
	Site Separation Distances	
2	public use area >2500 ft (Table 6)	2.4 miles to Cameron Woods
3	school, church, business >2500ft	2.3 miles to Plainview
4	Closest water source > 500ft	1500 ft to Tributary of Mud Crk.
6	critical public area	2.3 miles to Plainview
8	drainage wells, sinkholes, major water sources	3900ft to Mud Creek
9	Other MMP site	0.85 miles
10	high quality/protected waters(>5000ft)	2.7 mi. to Wapsipinicon River
12	covered manure storage	design / O&M, CDS
17	formed manure storage structure	design / O&M, CDS
19	Truck turnaround	Design / O&M, permit
20	No administrative orders	personal statement
22	Homestead tax exemption	personal statement
23	Family Farm Tax Credit qualification	personal statement
24	Facility Size	1920 au
25	Feed and water systems	design / O&M
26	Manure Injection or incorporation same day	O&M
29	No Manure Application to HEL land	NRCS maps
31	Manure App 200ft from public use area (Plainview)	See Permit package
32	Manure App 200ft from school, church, business. (Plainview)	See Permit package
35	Manure App 400ft from HQ waters or PWA (Wapsipinicon)	See Permit package

12. Covered Manure Storage

This facility has deep pits for manure storage which are formed manure storage structures directly beneath a floor where animals are housed in a confinement feeding operation. The design is based upon the attached building drawings and specs from the builder. The structure will be maintained to ensure its structural integrity for its useful life.

17. Formed Manure Storage Structure

The deep pit manure storage is designed to be below floor storage. The concrete design for the structure will adhere to the specs outlined in the building plans to insure the integrity of the structure.

- The storage structure will be measured for manure volume monthly to monitor the amount of manure being produced.
- The volume of manure will be recorded and records maintained on site.
- A visual inspection of the outer above ground perimeter will be made on a semi-annual basis to check for any structural challenges to the storage structure.
- The perimeter tile outside of the storage structure will be monitored monthly over 3 years to determine the average amount of water present.
- The drainage tile outside of the storage structure will be visually checked on a monthly basis to monitor for potential manure contamination by checking color.
- A sample of the water will be taken during the monthly check if the depth is significantly higher than average (1.5 times the average for the month).
- Foreign materials will not be added to the manure storage structure purposefully.
- Durable lids and caution signs will be used to cover the manure pump outs located along the sides of the structure.
- Proper fit and placement of lids will be checked monthly.

19. Proposed confinement site has a suitable truck turnaround area so that semitrailers do not have to back into the facility from the road. The truck turnaround will be a drive wide enough for semis to drive in off the road and will be able to pull through on a new drive to be constructed to connect the individual barn driveways.

- a. When there has been significant snowfall, the snow will be removed from the drive and turnaround to allow for safe entrance and exit of trucks.
- b. The structure of the turnaround will be maintained with aggregate 2" to 5" thick.

20. I have no history of Administrative Orders in the last five years related to environmental and worker protection.

22. Applicant is the closest residence to proposed site.

23. I can lawfully claim a Family Farm Tax Credit for agricultural land where the proposed confinement operation is to be located pursuant to Iowa Code chapter 425A.

24. The total number of swine housed on site will be 4800 head which equals 1920 animal units. [4800 hd * 0.4 conversion factor = 1920 AU]

25. Feed and Water Systems

The feed and water systems to be used in this facility are intended to reduce feed and water wastage which could impact the manure storage. The feeders are dry feeders and the waterers are cup waterers.

- Feeders and waterers will be checked daily for proper operation.
- If the feeder or waterer is not in proper operation and is causing wasted feed or water it will be addressed appropriately by repair or adjustment.
- Measurement of manure volume in the storage pit will be used to track if there is an irregular amount of waste occurring.

26. Manure application by injection or incorporation on the same date it is land applied. Manure will be injected or incorporated on the same date.

I believe the statements here to be true and agree to adhere to the specifications.

Tom Dittmer Mgr 3-2-18
JT Allens Grove Pork LLC Date
Tom Dittmer, Manager

Daily Checks

Feeders: _____ Checked and working appropriately
 _____ Checked and adjustments made

Waterers: _____ Checked and working appropriately
 _____ Checked and adjustments made

Monthly Checks

Date _____

Manure Depth _____

Drain Tile: Is water present? YES or NO
 Approximate depth? _____ inches

Pumpout lids: Condition? GOOD FAIR NEEDS ATTENTION

Semi-annual Check

The outer above ground perimeter of manure storage:

- _____ Normal as built
- _____ Normal aging no problems
- _____ Evidence of potential problems**
- _____ Manure leakage**

**If either of these situations should occur, an engineer will be contacted to inspect for potential structural integrity issues. If there is evidence of manure leakage, DNR will be contacted.

JT ALLENS GROVE PORK LLC

Manure application area is 200' or more from all public use areas

Manure application area is 200' or more from all schools, churches and commercial enterprises



MANURE APPLICATION AREA

PROPOSED CONSTRUCTION AREA
2-2400HD BARN

TRUCK TURN AROUND

100 ft. to ROW

MANURE APPLICATION AREA

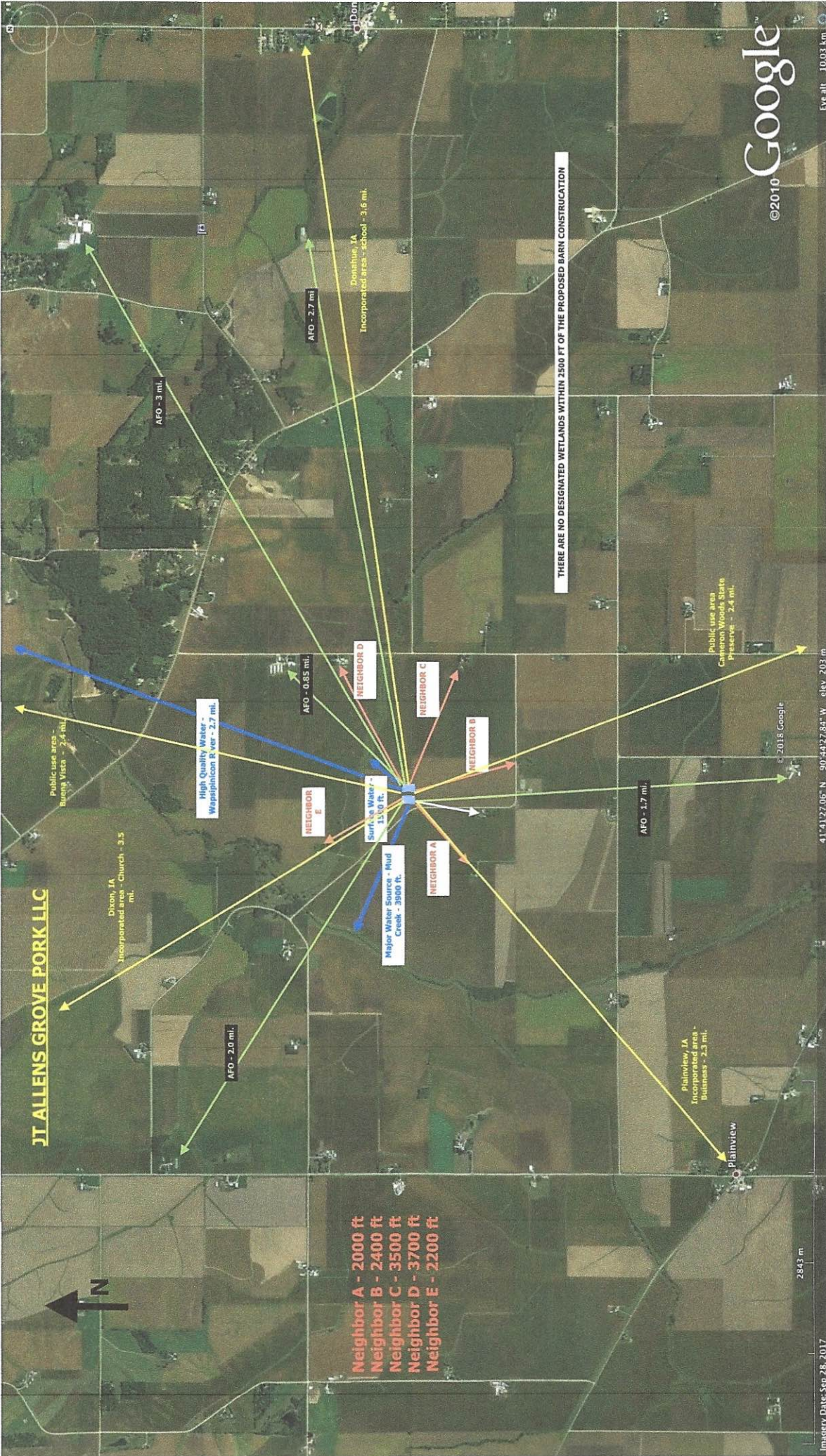
Owned Farmstead

Water well yet to be drilled will be
*200ft from barns if shallow well
*100ft from the barns if deep well

JT ALLENS GROVE PORK LLC



- Neighbor A - 2000 ft
- Neighbor B - 2400 ft
- Neighbor C - 3500 ft
- Neighbor D - 3700 ft
- Neighbor E - 2200 ft



Public use area -
Bucana Vista - 2.4 mi.

Dixon, IA
Incorporated area - Church - 3.5
mi.

AFO - 2.0 mi.

High Quality Water -
Wapsipinicon R. var - 2.7 mi.

AFO - 0.85 mi.

NEIGHBOR E

NEIGHBOR D

NEIGHBOR C

NEIGHBOR B

NEIGHBOR A

Major Water Source - Mud
Creek - 3800 ft.

Surface Water -
13.0 ft.

AFO - 2.7 mi.

Denshite, IA
Incorporated area - school - 3.6 mi.

AFO - 1.7 mi.

Plainview, IA
Meyers Business - 3.3 mi.

Plainview

Public use area
Cameron Woods State
Preserve - 2.4 mi.

THERE ARE NO DESIGNATED WETLANDS WITHIN 2500 FT OF THE PROPOSED BARN CONSTRUCTION

© 2018 Google

41°41'27.06" N 90°44'27.84" W elev. 203 m

2843 m

Imagery Date: Sep 26, 2017

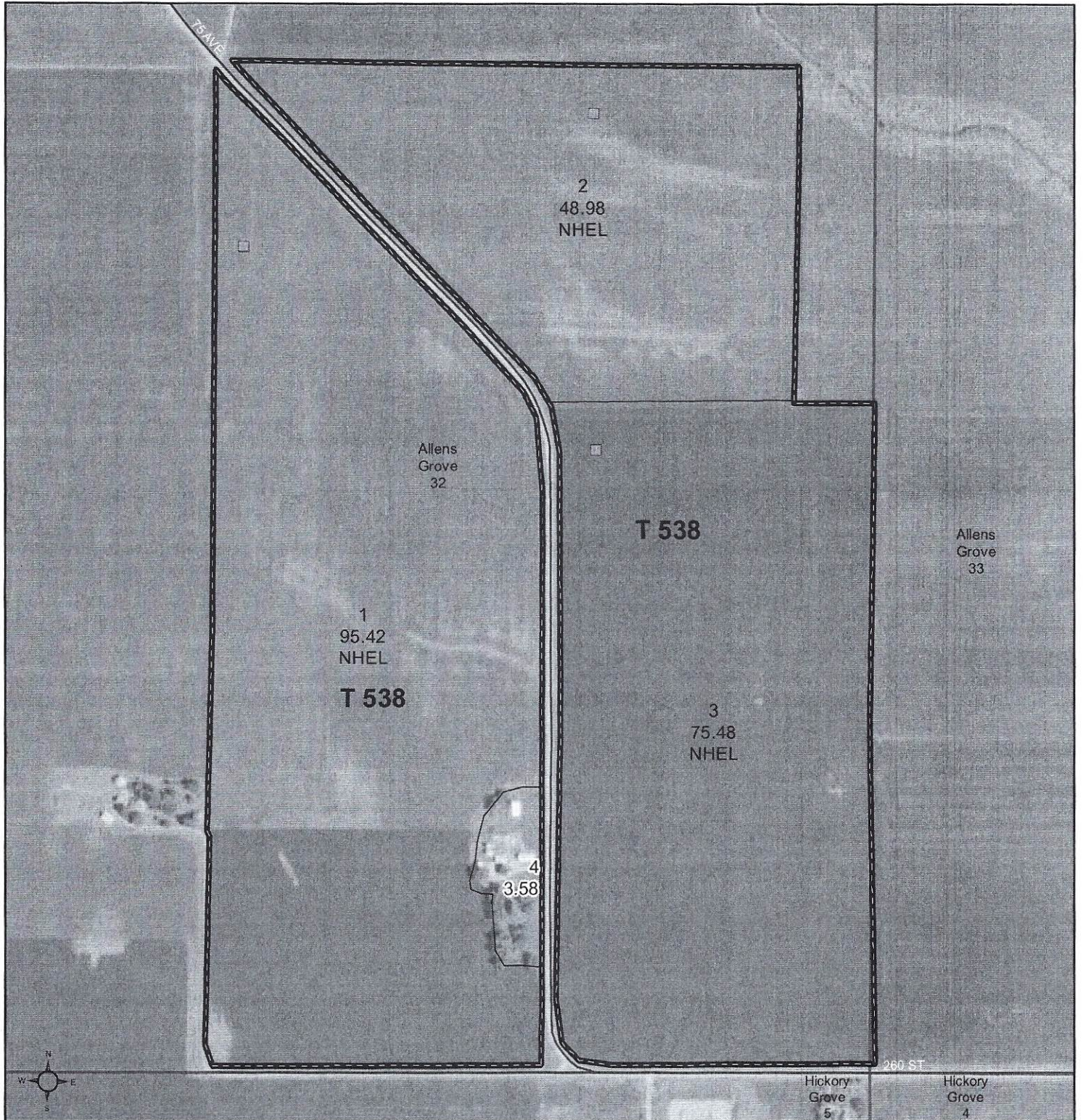
©2010 Google

Eye alt - 10.03 km



United States
Department of
Agriculture

Scott County, Iowa



Common Land Unit

- Non-Cropland
- Cropland
- Tract Boundary
- PLSS



2015 Ortho Imagery

2017 Program Year
Map Created December 01, 2016

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 219.88 acres

**Farm 54
Tract 538**

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

JT ALLENS GROVE PORK LLC

APPENDIX C MASTER MATRIX

Proposed Site Characteristics

The following scoring criteria apply to the site of the proposed confinement feeding operation. Mark one score under each criterion selected by the applicant. The proposed site must obtain a minimum overall score of 440 and a score of 53.38 in the "air" subcategory, a score of 67.75 in the "water" subcategory and a score of 101.13 in the "community impacts" subcategory.

X 1. Additional separation distance, above minimum requirements, from proposed confinement structure to the closest:

- * Residence not owned by the owner of the confinement feeding operation,
- * Hospital,
- * Nursing home, or
- * Licensed or registered child care facility.

	Score	Air	Water	Community
250 feet to 500 feet	25	16.25		8.75
501 feet to 750 feet	45	29.25		17.50
751 feet to 1,000 feet	65	42.25		22.75
1,001 feet to 1,250 feet	85	55.25		29.75
1,251 feet or more	100	65.00		35.00

- (A) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
- (B) The department will award points only for the single building, of the four listed above, closest to the proposed confinement feeding operation.
- (C) "Licensed child care center" – a facility licensed by the department of human services providing child care or preschool services for seven or more children, except when the facility is registered as a child care home.
- (D) "Registered child development homes" - child care providers certify that they comply with rules adopted by the department of human services. This process is voluntary for providers caring for five or fewer children and mandatory for providers caring for six or more children.
- (E) A full listing of licensed and registered child care facilities is available at county offices of the department of human services.

2. Additional separation distance, above minimum requirements, from proposed confinement structure to the closest public use area.

Buena Vista or Cameron Woods State Preserve - 2.4 miles

	Score	Air	Water	Community
250 feet to 500 feet	5	2.00		3.00
501 feet to 750 feet	10	4.00		6.00
751 feet to 1,000 feet	15	6.00		9.00
1,001 feet to 1,250 feet	20	8.00		12.00
1,251 feet to 1,500	25	10.00		15.00
1,501 feet or more	30	12.00		18.00

- (A) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
- (B) "Public use area" - a portion of land owned by the United States, the state, or a political subdivision with facilities which attract the public to congregate and remain in the area for significant periods of time. Facilities include, but are not limited to, picnic grounds, campgrounds, cemeteries, lodges, shelter houses, playground equipment, lakes as listed in Table 2 of 567--Chapter 65, and swimming beaches. It does not include a highway, road right-of-way, parking areas, recreational trails or other areas where the public passes through, but does not congregate or remain in the area for significant periods of time.

3. Additional separation distance, above minimum requirements, from proposed confinement structure to the closest:

- * Educational institution,
- * Religious institution, or
- * Commercial enterprise.

Plainview - 2.3 miles

	Score	Air	Water	Community
250 feet to 500 feet	5	2.00		3.00

501 feet to 750 feet	10	4.00		6.00
751 feet to 1,000 feet	15	6.00		9.00
1,001 feet to 1,250 feet	20	8.00		12.00
1,251 feet to 1,500	25	10.00		15.00
1,501 feet or more	30	12.00		18.00

- (A) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
- (B) The department will award points only for the single building, of the three listed above, closest to the proposed confinement feeding operation.
- (C) "Educational institution" - a building in which an organized course of study or training is offered to students enrolled in kindergarten through grade 12 and served by local school districts, accredited or approved nonpublic schools, area educational agencies, community colleges, institutions of higher education under the control of the state board of regents, and accredited independent colleges and universities.
- (D) "Religious institution" - a building in which an active congregation is devoted to worship.
- (E) "Commercial enterprise" - a building which is used as a part of a business that manufactures goods, delivers services, or sells goods or services, which is customarily and regularly used by the general public during the entire calendar year and which is connected to electric, water, and sewer systems. A commercial enterprise does not include a farm operation.
4. Additional separation distance, above minimum requirement of 500 feet, from proposed confinement structure to the closest water source.

	<u>Tributary of Mud Creek</u>			
	Score	Air	Water	Community
250 feet to 500 feet	5		5.00	
501 feet to 750 feet	10		10.00	
751 feet to 1,000 feet	15		15.00	
1,001 feet to 1,250 feet	20		20.00	
1,251 feet to 1,500	25		25.00	
1,501 feet or more	30		30.00	

"Water source" - a lake, river, reservoir, creek, stream, ditch, or other body of water or channel having definite banks and a bed with water flow, except lakes or ponds without an outlet to which only one landowner is riparian.

- X**5. Separation distance of 300 feet or more from the proposed confinement structure to the nearest thoroughfare.

	Score	Air	Water	Community
300 feet or more	30	9.00		21.00

- (A) "Thoroughfare" - a road, street, bridge, or highway open to the public and constructed or maintained by the state or a political subdivision.
- (B) The 300-foot distance includes the 100-foot minimum setback plus additional 200 feet.
6. Additional separation distance, above minimum requirements, from proposed confinement structure to the closest critical public area.

	<u>Plainview</u>			
	Score	Air	Water	Community
500 feet or more	10	4.00		6.00

- (A) All critical public areas as defined in 567--65.1(455B), are public use areas, and therefore subject to public use area minimum separation distances.
- (B) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.

- X**7. Proposed confinement structure is at least two times the minimum required separation distance from all private and public water wells.

	Score	Air	Water	Community
Two times the minimum separation distance	30		24.00	6.00

Refer to Table 6 of 567--Chapter 65 for minimum required separation distances to wells.

8. Additional separation distance, above the minimum requirement of 1,000 feet, from proposed confinement structure to the closest:

- * Agricultural drainage well,
- * Known sinkhole, or
- * Major water source.

MUD CREEK - MAJOR RIVER
~3900FT

	Score	Air	Water	Community
250 feet to 500 feet	5	0.50	2.50	2.00
501 feet to 750 feet	10	1.00	5.00	4.00
751 feet to 1,000 feet	15	1.50	7.50	6.00
1,001 feet to 1,250 feet	20	2.00	10.00	8.00
1,251 feet to 1,500 feet	25	2.50	12.50	10.00
1,501 feet to 1,750 feet	30	3.00	15.00	12.00
1,751 feet to 2,000 feet	35	3.50	17.50	14.00
2,001 feet to 2,250 feet	40	4.00	20.00	16.00
2,251 feet to 2,500 feet	45	4.50	22.50	18.00
2,501 feet or more	50	5.00	25.00	20.00

- (A) The department will award points only for the single item, of the three listed above, that is closest to the proposed confinement feeding operation.
- (B) "Agricultural drainage wells" - include surface intakes, cisterns and wellheads of agricultural drainage wells.
- (C) "Major water source" - a lake, reservoir, river or stream located within the territorial limits of the state, or any marginal river area adjacent to the state which can support a floating vessel capable of carrying one or more persons during a total of a six-month period in one out of ten years, excluding periods of flooding. Major water sources in the state are listed in Tables 1 and 2 in 567--Chapter 65.

9. Distance between the proposed confinement structure and the nearest confinement facility that has a submitted department manure management plan.

	Score	Air	Water	Community
Three-quarter of a mile or more (3,960 feet)	25	7.50	7.50	10.00

Confinement facilities include swine, poultry, and dairy and beef cattle.

10. Separation distance from proposed confinement structure to closest:

- * High quality (HQ) waters,
- * High quality resource (HQR) waters, or
- * Protected water areas (PWA)

WAPSIPINICON RIVER- HQW ~ 2.7MILES

is at least two times the minimum required separation distance

	Score	Air	Water	Community
Two times the minimum separation distance	30		22.50	7.50

- (A) The department will award points only for the single item, of the three listed above, closest to the proposed confinement feeding operation.
- (B) HQ waters are identified in 567--Chapter 61.
- (C) HQR waters are identified in 567--Chapter 61.
- (D) A listing of PWAs is available at:
<http://www.iowadnr.gov/Recreation/CanoeingKayaking/StreamCare/ProtectedWaterAreas.aspx>

- X**11. Air quality modeling results demonstrating an annoyance level less than 2 percent of the time for residences within two times the minimum separation distance.

	Score	Air	Water	Community
University of Minnesota OFFSET model results demonstrating an annoyance level less than 2 percent of the time	10	6.00		4.00e

- (A) OFFSET can be found at
<http://www.extension.umn.edu/agriculture/manure-management-and-air-quality/feedlots-and-manure-storage/offset-odor-from-feedlots/>. For more information, contact Dr. Larry Jacobson, University of Minnesota, (612) 625-8288, jacob007@tc.umn.edu.
- (B) A residence that has a signed waiver for the minimum separation distance cannot be included in the model.
- (C) Only the OFFSET model is acceptable until the department recognizes other air quality models.

12. Liquid manure storage structure is covered.

	Score	Air	Water	Community
Covered liquid manure storage	30	27.00		3.00

- (A) "Covered" - organic or inorganic material, placed upon an animal feeding operation structure used to store manure, which significantly reduces the exchange of gases between the stored manure and the outside air.

Organic materials include, but are not limited to, a layer of chopped straw, other crop residue, or a naturally occurring crust on the surface of the stored manure. Inorganic materials include, but are not limited to, wood, steel, aluminum, rubber, plastic, or Styrofoam. The materials shall shield at least 90 percent of the surface area of the stored manure from the outside air. Cover shall include an organic or inorganic material which current scientific research shows reduces detectable odor by at least 75 percent. A formed manure storage structure directly beneath a floor where animals are housed in a confinement feeding operation is deemed to be covered.

- (B) The design, operation and maintenance plan for the manure cover must be in the construction permit application and made a condition in the approved construction permit.

- X**13. Construction permit application contains design, construction, operation and maintenance plan for emergency containment area at manure storage structure pump-out area.

	Score	Air	Water	Community
Emergency containment area	20		18.00	2.00

- (A) The emergency containment area must be able to contain at least 5 percent of the total volume capacity of the manure storage structure.
- (B) The emergency containment area must be constructed on soils that are fine-grained and have low permeability.
- (C) If manure is spilled into the emergency containment area, the spill must be reported to the department within six hours of onset or discovery.
- (D) The design, construction, operation and maintenance plan for the emergency containment area must be in the construction permit application and made a condition in the approved construction permit.

- X**14. Installation of a filter(s) designed to reduce odors from confinement building(s) exhaust fan(s).

	Score	Air	Water	Community
Installation of filter(s)	10	8.00		2.00

The design, operation and maintenance plan for the filter(s) must be in the construction permit application and made a condition in the approved construction permit.

- X**15. Utilization of landscaping around confinement structure.

	Score	Air	Water	Community
Utilization of Landscaping	20	10.00		10.00

The design, operation and maintenance plan for the landscaping must be in the construction permit application and made a condition in the approved construction permit. The design should contain at least three rows of trees and shrubs, of both fast and slow-growing species that are well suited for the site.

- X**16. Enhancement, above minimum requirements, of structures used in stockpiling and composting activities, such as an impermeable pad and a roof or cover.

	Score	Air	Water	Community
Stockpile and compost facility enhancements	30	9.00	18.00	3.00

- (A) The design, operation and maintenance plan for the stockpile or compost structure enhancements must be in the construction permit application and made a condition in the approved construction permit.
- (B) The stockpile or compost structures must be located on land adjacent or contiguous to the confinement building.

17. Proposed manure storage structure is formed

	Score	Air	Water	Community
Formed manure storage structure	30		27.00	3.00

- (A) "Formed manure storage structure" -a covered or uncovered impoundment used to store manure from an animal feeding operation, which has walls and a floor constructed of concrete, concrete block, wood, steel, or similar materials. Similar materials may include, but are not limited to, plastic, rubber, fiberglass, or other synthetic materials. Materials used in a formed manure storage structure shall have the structural integrity to withstand expected internal and external load pressures.
- (B) The design, operation and maintenance plan for the formed manure storage structure must be in the construction permit application and made a condition in the approved construction permit.

- X**18. Manure storage structure is aerated to meet departmental standards as an aerobic structure, if aeration is not already required by the department.

	Score	Air	Water	Community
Aerated manure storage structure	10	8.00		2.00

- (A) Aerobic structure - an animal feeding operation structure other than an egg wash water storage structure which relies on aerobic bacterial action which is maintained by the utilization of air or oxygen and which includes

aeration equipment to digest organic matter. Aeration equipment shall be used and shall be capable of providing oxygen at a rate sufficient to maintain an average of 2 milligrams per liter dissolved oxygen concentration in the upper 30 percent of the depth of manure in the structure at all times.

- (B) The design, operation and maintenance plan for the aeration equipment must be in the construction permit application and made a condition in the approved construction permit.

19. Proposed confinement site has a suitable truck turnaround area so that semitrailers do not have to back into the facility from the road

	Score	Air	Water	Community
Truck turnaround	20			20.00

- (A) The design, operation and maintenance plan for the truck turn around area must be in the construction permit application and made a condition in the approved construction permit.
 (B) The turnaround area should be at least 120 feet in diameter and be adequately surfaced for traffic in inclement weather.

20. Construction permit applicant's animal feeding operation environmental and worker protection violation history for the last five years at all facilities in which the applicant has an interest.

	Score	Air	Water	Community
No history of Administrative Orders in last five years	30			30.00

- (A) "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.
 (B) An environmental violation is a final Administrative Order (AO) from the department of natural resources or final court ruling against the construction permit applicant for environmental violations related to an animal feeding operation. A Notice of Violation (NOV) does not constitute a violation.

- X**21. Construction permit applicant waives the right to claim a Pollution Control Tax Exemption for the life of the proposed confinement feeding operation structure.

	Score	Air	Water	Community
Permanent waiver of Pollution Control Tax Exemption	5			5.00

- (A) Waiver of Pollution Control Tax Exemption is limited to the proposed structure(s) in the construction permit application.
 (B) The department and county assessor will maintain a record of this waiver, and it must be in the construction permit application and made a condition in the approved construction permit.

22. Construction permit applicant can lawfully claim a Homestead Tax Exemption on the site where the proposed confinement structure is to be constructed
 - OR -
 the construction permit applicant is the closest resident to the proposed confinement structure.

	Score	Air	Water	Community
Site qualifies for Homestead Tax Exemption or permit applicant is closest resident to proposed structure	25			25.00

- (A) Proof of Homestead Tax Exemption is required as part of the construction permit application.
 (B) Applicant includes persons who have ownership interests. "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.

23. Construction permit applicant can lawfully claim a Family Farm Tax Credit for agricultural land where the proposed confinement feeding operation is to be located pursuant to Iowa Code chapter 425A.

	Score	Air	Water	Community
Family Farm Tax Credit qualification	25			25.00

Applicant includes persons who have ownership interests. "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.

24. Facility size.

	Score	Air	Water	Community
1 to 2,000 animal unit capacity	20			20.00
2,001 to 3,000 animal unit capacity	10			10.00
3,001 animal unit capacity or more	0			0.00

- (A) Refer to the construction permit application package to determine the animal unit capacity of the proposed confinement structure at the completion of construction.
- (B) If the proposed structure is part of an expansion, animal unit capacity (or animal weight capacity) must include all animals confined in adjacent confinement structures.
- (C) Two or more animal feeding operations under common ownership or management are deemed to be a single animal feeding operation if they are adjacent or utilize a common area or system for manure disposal. In addition, for purposes of determining whether two or more confinement feeding operations are adjacent, all of the following must apply:
- At least one confinement feeding operation structure must be constructed on and after May 21, 1998.
 - A confinement feeding operation structure which is part of one confinement feeding operation is separated by less than a minimum required distance from a confinement feeding operation structure which is part of the other confinement feeding operation. The minimum required distance shall be as follows:
 - 1,250 feet for confinement feeding operations having a combined animal unit capacity of less than 1,000 animal units.
 - 2,500 feet for confinement feeding operations having a combined animal unit capacity of 1,000 animal units or more.

25. Construction permit application includes livestock feeding and watering systems that significantly reduce manure volume.

	Score	Air	Water	Community
Wet/dry feeders or other feeding and watering systems that significantly reduce manure volume	25		12.50	12.50

The design, operation and maintenance plan for the feeding system must be in the construction permit application and made a condition in the approved construction permit.

Proposed Site Operation and Manure Management Practices

The following scoring criteria apply to the operation and manure management characteristics of the proposed confinement feeding operation. Mark one score under each criterion that best reflects the characteristics of the submitted manure management plan.

26. Liquid or dry manure (choose only one subsection from subsections "a" - "e" and mark one score in that subsection).

		Score	Air	Water	Community
a.	Bulk dry manure is sold under Iowa Code Chapter 200A and surface-applied	15		15.00	
	Bulk dry manure is sold under Iowa Code Chapter 200A and incorporated on the same date it is land-applied	30	12.00	12.00	6.00
b.	Dry manure is composted and land-applied under the requirements of an approved department manure management plan	10	4.00	4.00	2.00
	Dry manure is composted and sold so that no manure is applied under the requirements of an approved department manure management plan	30	12.00	12.00	6.00
c.	Methane digester is used to generate energy from manure and remaining manure is surface-applied under the requirements of an approved department manure management plan	10	3.00	3.00	4.00
	After methane digestion is complete, manure is injected or incorporated on the same date it is land-applied under the requirements of an approved department manure management plan	30	12.00	12.00	6.00
d.	Dry manure is completely burned to generate energy and no	30	9.00	9.00	12.00

	remaining manure is applied under the requirements of an approved department manure management plan				
	Some dry manure is burned to generate energy, but remaining manure is land-applied and incorporated on the same date it is land applied	30	12.00	12.00	6.00

e.	Injection or incorporation of manure on the same date it is land-applied	30	12.00	12.00	6.00
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- (A) Choose only ONE line from subsection "a", "b," "c," "d," or "e" above and mark only one score in that subsection.
- (B) The injection or incorporation of manure must be in the construction permit application and made a condition in the approved construction permit.
- (C) If an emergency arises and injection or incorporation is not feasible, prior to land application of manure the applicant must receive a written approval for an emergency waiver from a department field office to surface-apply manure.
- (D) Requirements pertaining to the sale of bulk dry manure under pursuant to Iowa Code chapter 200A must be incorporated into the construction permit application and made a condition of the approved construction permit.
- (E) The design, operation and maintenance plan for utilization of manure as an energy source must be in the construction permit application and made a condition in the approved construction permit.
- (F) The design, operation and maintenance plan for composting facilities must be in the construction permit application and made a condition in the approved construction permit.

X 27. Land application of manure is based on a two-year crop rotation phosphorus uptake level.

	Score	Air	Water	Community
Two-year phosphorus crop uptake application rate	10		10.00	

- (A) Land application of manure cannot exceed phosphorus crop usage levels for a two-year crop rotation cycle.
- (B) The phosphorus uptake application rates must be in the construction permit application and made a condition in the approved construction permit.

X 28. Land application of manure to farmland that has USDA Natural Resources Conservation Service (NRCS) approved buffer strips contiguous to all water sources traversing or adjacent to the fields listed in the manure management plan.

	Score	Air	Water	Community
Manure application on farmland with buffer strips	10		8.00	2.00

- (A) The department may request NRCS maintenance agreements to ensure proper design, installation and maintenance of filter strips. If a filter strip is present but not designed by NRCS, it must meet NRCS standard specifications.
- (B) The application field does not need to be owned by the confinement facility owner to receive points.
- (C) On current and future manure management plans, the requirement for buffer strips on all land application areas must be in the construction permit application and made a condition in the approved construction permit.

29. Land application of manure does not occur on highly erodible land (HEL), as classified by the USDA NRCS.

	Score	Air	Water	Community
No manure application on HEL farmland	10		10.00	

Manure application on non-HEL farmland must be in the construction permit application and made a condition in the approved construction permit.

X 30. Additional separation distance, above minimum requirements (0 or 750 feet, see below), for the land application of manure to the closest:

- * Residence not owned by the owner of the confinement feeding operation,
- * Hospital,
- * Nursing home, or
- * Licensed or registered child care facility.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	3.25		1.75
Additional separation distance of 500 feet	10	6.50		3.50

- (A) The department will award points only for the single building, of the four listed above, closest to the proposed confinement feeding operation.
- (B) Minimum separation distance for land application of manure injected or incorporated on the same date as application: 0 feet.

- (C) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
- (D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.
- (E) "Licensed child care center" – a facility licensed by the department of human services providing child care or preschool services for seven or more children, except when the facility is registered as a child care home.
- (F) "Registered child development homes" - child care providers certify that they comply with rules adopted by the department of human services. This process is voluntary for providers caring for five or fewer children and mandatory for providers caring for six or more children.
- (G) A full listing of licensed and registered child care facilities is available at county offices of the Department of Human Services

31. Additional separation distance, above minimum requirements (0 or 750 feet, see below), for land application of manure to closest public use area.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	2.00		3.00

- (A) "Public use area" - a portion of land owned by the United States, the state, or a political subdivision with facilities which attract the public to congregate and remain in the area for significant periods of time. Facilities include, but are not limited to, picnic grounds, campgrounds, cemeteries, lodges, shelter houses, playground equipment, lakes as listed in Table 2 in 567--Chapter 65, and swimming beaches. It does not include a highway, road right-of-way, parking areas, recreational trails or other areas where the public passes through, but does not congregate or remain in the area for significant periods of time.
- (B) Minimum separation distance for land application of manure injected or incorporated on the same date as application: 0 feet.
- (C) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
- (D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.

32. Additional separation distance, above minimum requirements (0 or 750 feet, see below), for the land application of manure to the closest:

- * Educational institution,
- * Religious institution, or
- * Commercial enterprise.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	2.00		3.00

- (A) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
- (B) Minimum separation distance for land application of manure injected or incorporated on same date as application: 0 feet.
- (C) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.
- (D) "Educational institution" - a building in which an organized course of study or training is offered to students enrolled in kindergarten through grade 12 and served by local school districts, accredited or approved nonpublic schools, area educational agencies, community colleges, institutions of higher education under the control of the state board of regents, and accredited independent colleges and universities.
- (E) "Religious institution" - a building in which an active congregation is devoted to worship.
- (F) "Commercial enterprise" - a building which is used as a part of a business that manufactures goods, delivers services, or sells goods or services, which is customarily and regularly used by the general public during the entire calendar year and which is connected to electric, water, and sewer systems. A commercial enterprise does not include a farm operation.

X 33. Additional separation distance of 50 feet, above minimum requirements (0 or 200 feet, see below), for the land application of manure to the closest private drinking water well or public drinking water well - OR well is properly closed under supervision of county health officials.

	Score	Air	Water	Community
Additional separation distance of 50 feet or well is properly closed	10		8.00	2.00

- (A) Minimum separation distance for land application of manure injected or incorporated on the same date as application or 50-foot vegetation buffer exists around well and manure is not applied to the buffer: 0 feet.
- (B) Minimum separation distance for land application of manure broadcast on soil surface: 200 feet.
- (C) If applicant chooses to close the well; the well closure must be incorporated into the construction permit application and made a condition in the approved construction permit.

- X34.** Additional separation distance, above minimum requirements, for the land application of manure to the closest:
- * Agricultural drainage well,
 - * Known sinkhole,
 - * Major water source, or
 - * Water source

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	0.50	2.50	2.00
Additional separation distance of 400 feet	10	1.00	5.00	4.00

- (A) "Agricultural drainage wells" - include surface intakes, cisterns and wellheads of agricultural drainage wells.
 (B) "Major water source" - a lake, reservoir, river or stream located within the territorial limits of the state, or any marginal river area adjacent to the state, which can support a floating vessel capable of carrying one or more persons during a total of a six-month period in one out of ten years, excluding periods of flooding. Major water sources in the state are listed in Tables 1 and 2 in 567--Chapter 65.
 (C) "Water source" - a lake, river, reservoir, creek, stream, ditch, or other body of water or channel having definite banks and a bed with water flow, except lakes or ponds without an outlet to which only one landowner is riparian.
 (D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.

- 35.** Additional separation distance above minimum requirements, for the land application of manure, to the closest:
- * High quality (HQ) water,
 - * High quality resource (HQR) water, or
 - * Protected water area (PWA).

	Score	Air	Water	Community
Additional separation distance of 200 feet	5		3.75	1.25
Additional separation distance of 400 feet	10		7.50	2.50

- (A) HQ waters are identified in 567--Chapter 61.
 (B) HQR waters are identified in 567--Chapter 61.
 (C) A listing of PWAs is available at:
<http://www.iowadnr.gov/Recreation/CanoeingKayaking/StreamCare/ProtectedWaterAreas.aspx>.

- X36.** Demonstrated community support.

	Score	Air	Water	Community
Written approval of 100% of the property owners within a one mile radius	20			20.00

- X37.** Worker safety and protection plan is submitted with the construction permit application.

	Score	Air	Water	Community
Submission of worker safety and protection plan	10			10.00

- (A) The worker safety and protection plan must be in the construction permit application and made a condition in the approved construction permit.
 (B) The worker safety and protection plan and subsequent records must be kept on site with the manure management plan records.

- X38.** Applicant signs a waiver of confidentiality allowing public to view confidential manure management plan land application records

	Score	Air	Water	Community
Manure management plan confidentiality waiver	5			5.00

The waiver of confidentiality must be in the construction permit application and made a condition in the approved construction permit. The applicant may limit public inspection to reasonable times and places.

- X39.** Added economic value based on quality job development (number of full time equivalent (FTE) positions), and salary equal to or above Iowa department of workforce development median (45-2093)
 -OR-
 the proposed structure increases commercial property tax base in the county.

	Score	Air	Water	Community
Economic value to local community	10			10.00

The Iowa Department of Workforce Development regional profiles are available at <http://www.iowaworkforce.org/centers/regionalsites.htm>. Select the appropriate region and then select "Regional Profile."

X40. Construction permit application contains an emergency action plan.

	Score	Air	Water	Community
Emergency action plan	5		2.50	2.50

- (A) Iowa State University Extension publication PM 1859 lists the components of an emergency action plan. The emergency action plan submitted should parallel the components listed in the publication.
- (B) The posting and implementation of an emergency action plan must be in the construction permit application and made a condition in the approved construction permit.
- (C) The emergency action plan and subsequent records must be kept on site with the manure management plan records.

X41. Construction permit application contains a closure plan.

	Score	Air	Water	Community
Closure Plan	5		2.50	2.50

- (A) The closure plan must be in the construction permit application and made a condition in the approved construction permit.
- (B) The closure plan must be kept on site with the manure management plan records.

X42. Adoption and implementation of an environmental management system (EMS) recognized by the department.

	Score	Air	Water	Community
EMS	15	4.50	4.50	6.00

- (A) The EMS must be in the construction permit application and made a condition in the approved construction permit.
- (B) The EMS must be recognized by the department as an acceptable EMS for use with confinement operations.

X43. Adoption and implementation of NRCS approved Comprehensive Nutrient Management Plan (CNMP).

	Score	Air	Water	Community
CNMP	10	3.00	3.00	4.00

The implementation and continuation of a CNMP must be in the construction permit application and made a condition in the approved construction permit.

X44. Groundwater monitoring wells installed near manure storage structure, and applicant agrees to provide data to the department.

	Score	Air	Water	Community
Groundwater monitoring	15		10.50	4.50

- (A) Monitoring well location, sampling and data submission must meet department requirements.
- (B) The design, operation and maintenance plan for the groundwater monitoring wells, and data transfer to the department, must be in the construction permit application and made a condition in the approved construction permit.

Score to pass

Total Score	Air	Water	Community
880	213.50	271.00	404.50
440	53.38	67.75	101.13

JT ALLENS GROVE PORK LLC - MM SCORES

455	83.5	139	232.5
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JT ALLENS GROVE PORK LLC

2/21/2018

Master Matrix points table

Question	Score	Air	Water	Community
1				
2	30	12		18
3	30	12		18
4	15		15	
5				
6	10	4		6
7				
8	50	5	25	20
9	25	7.5	7.5	10
10	30		22.5	7.5
11				
12	30	27		3
13				
14				
15				
16				
17	30		27	3
18				
19	20			20
20	30			30
21				
22	25			25
23	25			25
24	20			20
25	25		12.5	12.5
26	30	12	12	6
27				
28				
29	10		10	
30				
31	5	2		3
32	5	2		3
33				
34				
35	10		7.5	2.5
36				
37				
38				
39				
40				
41				
42				
43				
44				
TOTALS	455	83.5	139	232.5



March 15, 2018

TOM DITTMER
C/O DARRIN VITTETOE
CUSTOM BUILDERS
209 W SOUTH ST
TIPTON, IA 52772

Project Description: Confinement Feeding Operation; JT Allens Grove Pork LLC Facility; Flood Plain Determination

Project Location(s): County: Scott, QTR-QTR: SE, Quarter: NE, Section: 32, Township: T80N, Range: R02E, Iowa
County: Scott, QTR-QTR: NE, Quarter: SE, Section: 32, Township: T80N, Range: R02E, Iowa
Iowa DNR Work Record Number: 86023

Dear Mr. Vittetoe:

This letter is in response to your request for a flood plain determination for the above project. The Department has reviewed the information submitted and concludes that the proposed confinement animal feeding operation will not be located on the "one hundred year flood plain".

This letter only pertains to the determination of whether the project site is on the "one hundred year flood plain" according to 567 Iowa Administrative Code (IAC) 65.7(9), and **is not** final clearance for construction. All other federal, state and local permits, clearances and approvals must be obtained prior to construction. It is my understanding that the facility requires a construction permit from our Wastewater Permits Section because of the number of animal units. If you have not already done so, please contact Paul Petitti at 712-262-4177.

The owner is responsible for complying with all local, state and federal statutes, ordinances, rules and permit requirements applicable to the construction, operation and maintenance of the approved works. Please note that a Flood Plain Development Permit from the Department is not required according to 567 IAC 71, nor is an IDNR Sovereign Lands Construction Permit required. The project may require a Section 404 Permit from the Corps of Engineers, Rock Island District.

If you have any questions, please contact me by email at Andy.Jensen@dnr.iowa.gov, or by phone at 515-725-8347,

Sincerely,

Andrew Jensen
Flood Plain Management and Dam Safety Section

CC: Tom Dittmer; 12090 240th St; Eldridge, IA 52748
Suzanne Apple; USACE (email)
Paul Petitti; Iowa DNR FO #3



Manure Management Plan Form

Animal Feeding Operation Information

Instructions: Complete this form for your animal feeding operation. Footnotes are provided on page 4.

The information within this form, and the attachments, describes my animal feeding operation, my manure storage and handling system, and my planned manure management system. I (we) will manage the manure, and the nutrients it contains, as described within this manure management plan (MMP) and any revisions of the plan, individual field information, and field summary sheet, and in accordance with current rules and regulations. Deviations permitted by Iowa law will be documented and maintained in my records.

Signed: Tom Dittmer Mgr (Signature) Tom Dittmer Mgr (Print name) Date: 3-2-18

Name of operation: JT ALLENS GROVE PORK LLC Facility ID No. NA

Location of the operation: 75TH AVE
(911 address)
DIXON IOWA
(Town) (State) (Zip)
NE 1/4 of the SE 1/4 of Sec 32 T 80N R 2E ALLENS GROVE SCOTT
(1/4 1/4) (1/4) (Section) (Tier & Range) (Township Name) (County)

Owner and contacts of the animal feeding operation:

Owner JT ALLENS GROVE PORK LLC Phone 563-285-4006
 Address 12090 240th St. Eldridge, IA 52748
 E-mail address (optional) _____ Cell phone (optional) _____

Contact person (if different than owner) Tom Dittmer Phone 563-285-4006
 Address 12090 240th St. Eldridge, IA 52748
 E-mail address (optional) _____ Cell phone (optional) _____

Contract company (if applicable) _____ Phone _____
 Address _____

This manure management plan is for: (check one)

existing operation, not expanding existing operation, expanding existing operation, new owner new operation

Construction and Expansion Dates:

_____ date of initial construction
 _____ and all expansions

Table 1. Information about livestock production and manure management system

1	2	3	4	5	6	7	8
Animal type/ Production phase ^a	Max # of animals confined	Manure Storage Structure ^b	N ^c	P ₂ O ₅ ^c	gal/space/dy ^d	Days/yr Facility occupied	Annual Manure Produced ^e
Select production phase ▼			0	0	0.0		000
Select production phase ▼			0	0	0.0		000
Select production phase ▼			0	0	0.0		000
Wean/finish (dry feed)	4800	Deep pit	37	23	0.7	355	1,192,800
Total Gallons							1,192,800

Estimated annual animal production^f: 9,600 animals/year

Source of Manure Nutrient Content Data (standard tables, manure analysis, other): manure analysis of similar barns



Manure Management Plan Form

Determining Maximum Allowable Manure Application Rates

Instructions: Complete a worksheet for each unique combination of the following factors (crop rotation, optimum crop yield, manure nutrient concentration, remaining crop N need, method of application) that occurs at this operation. Complete form by filling in blanks, yellow-colored cells, and drop down menus. Gray shaded cells will calculate automatically. Footnotes are given on pages 4, 5 and 6.

Management Identification (Mgt ID)^f

CC) CORN-CORN

(identify this application scenario by letter)

Method to determine optimum crop yield^g Soil survey interpretation records ▼ Timing of application SP OR FALL

Method of application^h Knifed in or soil injection of liquid manure ▼ Application loss factor 0.98

If spray irrigation is used, identify methodⁱ _____

Table 2. Manure nutrient concentration

Manure Nutrient Content (lbs/1000gal or lbs/ton) ^j					
Total N	37	P ₂ O ₅		23	
%TN Available 1st year ^k	100%	2nd year		3rd year	
Available N 1st year ^l	36.3	2nd year ^m	0.0	3rd year ⁿ	0.0

Table 3. Crop usage rates^o

lb/bu or lb/ton	N	P ₂ O ₅
Corn	1.2	0.32
Soybean	3.8	0.72
Alfalfa	50	13
Other crop ▼	0	0

*Use blank space above to add crop not listed.

Table 4. Calculations for rate based on nitrogen (always required)

1	Applying Manure For (crop to be grown) ^p		Corn ▼	Corn ▼	Corn ▼	Corn ▼
2	Optimum Crop Yield ^g	bu or ton/acre	223	223	223	223
3	P ₂ O ₅ removed with crop by harvest ^q	lb/acre	71.4	71.4	71.4	71.4
4	Crop N utilization ^r	lb/acre	268	268	268	268
5a	Legume N credit ^s	lb/acre		0	0	0
5b	Commercial N planned ^t	lb/acre	50	50	50	50
5c	Manure N carryover credit ^u	lb/acre		0.0	0.0	0.0
6	Remaining crop N need ^v	lb/acre	218	218	218	218
7	Manure rate to supply remaining N ^w	gal/acre	6001	6001	6001	6001
8	P ₂ O ₅ applied with N-based rate ^x	lb/acre	138	138	138	138

Table 5. Calculations for rate based on phosphorus (fill out only if P-based rates are planned)

9	Commercial P ₂ O ₅ planned ^y	lb/acre				
10	Manure rate to supply P removal ^z	gal/acre	3103	3103	3103	3103
11	Manure rate for P based plan ^{aa}	gal/acre				
12	Manure N applied with P-based plan ^{bb}	lb/acre	0	0	0	0

Table 6. Application rates that will be carried over to page 3

13	Planned manure application rate ^{cc}	gal/acre	6168	6168	6168	6168
----	---	----------	------	------	------	------

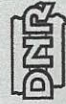
When applicable, manure application rates must be based on the P index value as follows:

(0-2) N-based manure management.

(>2-5) N-based manure management but P application rate cannot exceed two times the P removal rate of the crop schedule.

(>5-15) No manure application until practices are adopted to reduce P index to 5 or below.

(>15) No manure application.



Manure Management Plan Form Year by Year Manure Management Plan Summary

Instructions: Complete this form for each of the next four growing seasons, to demonstrate sufficient land base to apply manure over multiple crop years. If this page is identical for multiple years (e.g. every other year), submit only once for the identical years, and indicate which years the form represents. Footnotes are given on

Crop year(s): 2019-2022

1	2	3	4	5	6	7	8	9		10	11
Field Designation ^{ee}	Field Location ____ 1/4 of the ____ 1/4 Sec. T ____ R ____ Township Name _____, County Name _____	Mgt Id ^{ff}	Planned Crop	Acres receiving manure ^{gg}	Own, rent, agreement (include length of agreement) ^{hh}	P index value ⁱⁱ	HEL (Y/N) ^{jj}	Planned Application gal/acre	Planned Application gal/field ^{kk}	Correct Soil Test for P ^{ll} (Yes or No)	
T RALFS EAST	E 1/2 SE & S 1/2 NE 32 80N 2E Allens Grove, Scott	CC	CORN	118.4	OWN	0.97	N	6168	730291	YES	
T RALFS WEST	W 1/2 SE & SW SE 32 80N 2E Allens Grove, Scott	CC	CORN	94.1	OWN	0.91	N	6168	580409	YES	
									0		
									0		
									0		
									0		
									0		
									0		
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									0		
									0		
									0		
Total acres available for manure application				212.5	Total gallons that could be applied				1310700		

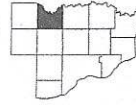


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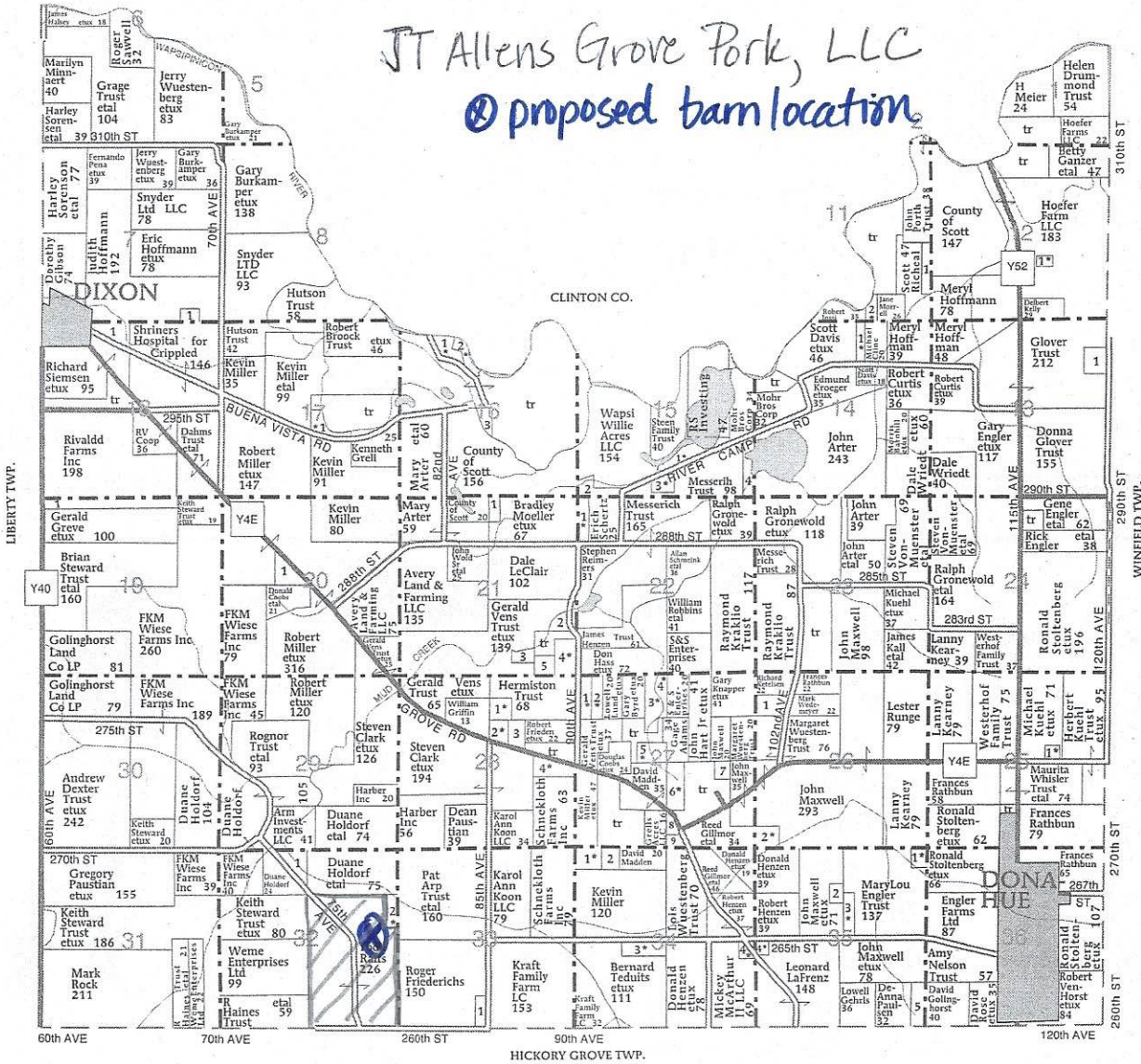
T-80-N

ALLENS GROVE PLAT
 (Landowners)

R-2-E



JT Allens Grove Pork, LLC
 ⊗ proposed barn location



ALLENS GROVE TOWNSHIP

- SECTION 7**
- 1. Bierman, Matthew 6
- SECTION 11**
- 1. Hoffman, Meryl 8
- 2. Fifer, Nancy 5
- SECTION 12**
- 1. Wegener, Dirk 11
- SECTION 13**
- 1. MCG Trust 10
- SECTION 14**
- 1. Fifer, Kirk 10
- SECTION 15**
- 1. Tuftee, Roger 8

- 2. Rohwer Jr, Albert 14
- 3. Ryan, James 5
- 4. Arter, John 14
- SECTION 16**
- 1. Wiggins, Lyle 15
- 2. Gliosci, Michael 9
- 3. Braet, Ruth 6
- SECTION 17**
- 1. Shachow, Peter 91
- SECTION 18**
- 1. Hoffman, Judith 12
- SECTION 19**
- 1. Rivaldd Farms Inc 19
- SECTION 20**
- 1. RH&K Enterprises 15

- SECTION 21**
- 1. Ewoldt, Jerry 12
- 2. Robinson-Kramer, Kathy 11
- 3. Hammes, Wilfred 9
- 4. Kramer, John 27
- 5. West, Barbara 5
- SECTION 22**
- 1. Wold, John 8
- SECTION 25**
- 1. Seifert, James 6
- SECTION 26**
- 1. Wuestenberg, Jerry 11
- 2. Gillmor, Reed 14

- SECTION 27**
- 1. Meyer, Christopher 9
- 2. Gephart, Jason 10
- 3. Wiese, Michael 6
- 4. McKinney, Greg 14
- 5. Onken, Matthew 17
- 6. Altenhofen, Donavon 20
- 7. Mahoney Trust, Mary 5
- 8. Jungwirth, Jane 8
- 9. Wuestenberg Trust, Lois 6
- SECTION 28**
- 1. Engel, James 10
- 2. Karnish, Thomas 13

- 3. Steffe, Gary 12
- 4. Karnish, Thomas 13
- SECTION 32**
- 1. Arm Investments LLC 12
- 2. Arp Trust, Pat 10
- SECTION 33**
- 1. Crossroads Development Co 6
- SECTION 34**
- 1. Miller, Kevin 13
- 2. Hermiston Trust 7
- 3. Wuestenberg, Roger 15
- 4. Keppy, Neal 8

- SECTION 35**
- 1. Stoltenberg, Ronald 9
- 2. Maxwell, John 6
- 3. Wiese, Michael 12
- 4. Duncan, Curtis 6
- 5. Golvinghorst, David 13

Iowa Phosphorus Index

Credits: Iowa State University
USDA National Soil Tilth Laboratory
USDA Natural Resource Conservation Service

Field Number	Erosion				Runoff				Tile / Subsurface Recharge				Overall P Index	
	Gross Erosion	Sediment Trap Factor	SDR Factor	Buffer Factor	Enrichment Factor	STP Factor	RCN Factor	STP Factor	P App Factor	Runoff PI	Flow Factor	STP Factor		Tile/Sub PI
T RALFS EAST --	1.40	1.00	0.45	1.00	1.10	0.84	1.40	0.22	0.00	0.31	1.00	0.08	0.08	0.97
T RALFS WEST --	1.60	1.00	0.40	1.00	1.10	0.81	1.40	0.18	0.00	0.26	1.00	0.08	0.08	0.91

JT ALLENS GROVE PORK LLC - FARM YIELDS BY SOIL TYPE

T Rafis East

Soil type	Acres	Corn Yield	Bushels	SoybeanYd	Bushels
11B	10	221	2210	64	640
119	16.8	240	4032	70	1176
119B	12.5	235	2937.5	68	850
120B	36.1	235	8483.5	68	2454.8
120C	0	228	0	66	0
133	42.4	210	8904	61	2586.4
442D2	5.7	177	1008.9	51	290.7
450B	3.2	209	668.8	61	195.2
	126.7		28244.7		8193.1
		Field Yield	223		65

T Rafis West

Soil type	Acres	Corn Yield	Bushels	SoybeanYd	Bushels
119B	21.9	235	5146.5	68	1489.2
120B	14.6	235	3431	68	992.8
133	46.8	210	9828	61	2854.8
826	10.9	238	2594.2	69	752.1
977	1.7	238	404.6	69	117.3
	95.9		21404.3		6206.2
		Field Yield	223		65

CNC AG LLC | Eldridge
Ralfs | West | 2017 | 94.1 acres
Field Sampled on 11/8/2016

Sample No



Maps as of 11/15/2016

REPORT NUMBER

16-313-0864

ACCOUNT
7721

COMPLETED DATE
Nov 11, 2016
RECEIVED DATE
Nov 8, 2016



PAGE 1/2

TODAY'S DATE
Nov 11, 2016

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IDENTIFICATION
CNC AG LLC
RALFS
WEST

RIVER VALLEY COOPERATIVE
GRID ACCOUNT/IOWA
108 PROGRESS LANE

GENESEO IL 61254

Lab Number	Sample ID	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	Buff Index	CEC (meq/100)	Percent Base Saturation				Nitrate		Total lbs/A	S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Soluble		NH3-N ppm	MP3 Color ppm			
			P1 ppm	P2 ppm	Bic ppm								K ppm	Mg ppm	Ca ppm	H ppm	Na ppm	Surface lbs/A								depth	Lime Rate			Salts (mmol/cm)		
30529476	1	4.1	14	20		109	728	2998		6.8	21.3	1.3	28.5	70.2	0.0			0-6														
30529477	2	3.4	18	24		109	534	2485		6.3	6.7	19.2	1.5	23.2	64.7	10.6		0-6														
30529478	3	2.9	17	23		111	325	1594		5.1	6.5	17.7	1.6	15.3	45.0	38.1		0-6														
30529479	4	3.9	38	58		183	433	2581		6.1	6.6	19.8	2.4	18.2	65.2	14.2		0-6														
30529480	5	5.1	35	64		146	640	3627		6.1	6.6	27.7	1.4	19.3	65.5	13.8		0-6														
30529481	6	3.2	12	20		117	421	2566		6.1	6.7	19.3	1.6	18.2	66.5	13.7		0-6														
30529482	7	6.3	4	66		150	342	5770		7.9	32.1	1.2	8.9	89.9	0.0			0-6													56	
30529483	8	4.4	13	38		133	698	3571		5.8	6.4	29.6	1.2	19.7	60.3	18.8		0-6														
30529485	9	4.5	9	16		96	473	2415		5.4	6.4	22.8	1.1	17.3	53.0	28.6		0-6														
30529486	10	4.8	20	51		114	735	3321		6.5	6.7	24.9	1.2	24.6	66.7	7.5		0-6														
30529487	11	4.1	26	107		120	523	3946		7.8	24.4	1.3	17.9	80.8	0.0			0-6														
30529488	12	4.5	28	58		149	795	3218		6.7	23.1	1.7	28.7	69.6	0.0			0-6														38
30529489	13	4.1	11	15		110	483	2419		5.5	6.4	22.2	1.3	18.1	54.5	26.1		0-6														
30529490	14	3.8	10	12		115	411	2140		5.2	6.1	22.0	1.3	15.6	48.6	34.5		0-6														
30529491	15	5.3	7	40		126	774	4393		6.3	6.6	32.1	1.0	20.1	68.4	10.5		0-6														
30529492	16	4.6	11	25		128	714	3733		7.1	24.9	1.3	23.9	74.8	0.0			0-6														
30529493	17	3.8	11	18		117	381	2411		5.9	6.6	18.7	1.6	17.0	64.5	16.9		0-6														
30529494	18	3.0	26	45		130	494	2563		6.7	17.3	1.9	23.8	74.3	0.0			0-6														
30529495	19	3.2	29	36		103	288	1465		5.7	6.7	12.7	2.1	18.9	57.7	21.3		0-6														
30529496	20	3.1	15	20		98	373	1691		5.8	6.6	14.6	1.7	21.3	57.9	19.1		0-6														
30529497	21	3.5	12	18		100	568	2371		6.4	6.7	18.5	1.4	25.6	64.1	8.9		0-6														
30529498	22	3.2	20	31		121	491	1990		6.4	6.8	15.8	2.0	25.9	63.0	9.1		0-6														
30529499	23	2.9	11	18		90	319	1536		5.6	6.6	13.8	1.7	19.3	55.7	23.3		0-6														
30529500	24	3.0	44	55		155	335	1606		5.9	6.7	13.5	2.9	20.7	59.5	16.9		0-6														
30529501	25	3.3	21	37		167	346	1886		6.2	6.7	14.4	3.0	20.0	65.5	11.5		0-6														
30529502	26	3.7	15	22		110	410	2264		6.2	6.7	17.0	1.7	20.1	66.6	11.6		0-6														
30529503	27	4.4	13	27		131	552	2965		6.6	6.8	21.1	1.6	21.8	70.3	6.3		0-6														
30529504	28	4.2	6	14		93	398	1919		5.2	5.9	20.1	1.2	16.5	47.7	34.6		0-6														
30529505	29	3.3	7	12		69	272	1319		5.1	6.4	14.5	1.2	15.6	45.5	37.7		0-6														
30529506	30	4.4	12	16		103	466	2119		5.8	6.6	18.2	1.5	21.3	58.2	19.0		0-6														
30529507	31	3.3	9	13		135	403	1945		5.9	6.6	16.2	2.1	20.7	60.0	17.2		0-6														
30529508	32	3.1	18	28		119	435	2066		6.5	6.8	15.5	2.0	23.4	66.6	8.0		0-6														

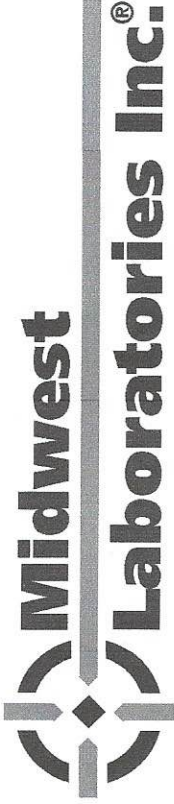
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REPORT NUMBER

16-313-0864

COMPLETED DATE
 Nov 11, 2016

RECEIVED DATE
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PAGE 2/2

TODAY'S DATE
 Nov 11, 2016

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CNC AG LLC
 RALFS
 WEST

GENESE0 IL 61254

Lab Number	Sample ID	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	Buff index	CEC meq/100	Percent Base Saturation				Nitrate		Excess Soluble		NH ₃ -N		MP3 Color ppm	
			P1 ppm	P2 ppm	Bic ppm								K ppm	Mg ppm	Ca ppm	H ppm	Na ppm	Surface lbs/A	depth lbs/A	Lime Rate	Salts meq/100	N ppm		
30528509	33	3.0	33	51		107	357	2062		7.4		13.6	2.0	21.9	76.1	0.0		0-6	0-6					50
30528510	34	3.7	126	127		524	441	2299		7.3		16.5	8.1	22.3	69.6	0.0		0-6	0-6					184
30528511	35	3.1	108	121		375	328	1993		6.5	6.8	14.8	6.5	18.5	67.3	7.7		0-6	0-6					
30528512	36	3.2	43	51		196	320	1623		5.5	6.6	15.3	3.3	17.4	53.0	26.3		0-6	0-6					
30528513	37	3.0	24	35		125	497	1996		6.7		14.4	2.2	28.8	69.0	0.0		0-6	0-6					

The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days. Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

CNC AG LLC | Eldridge
 Ralfs | Home East 80 | 2018 | 74.7 acres
 Field Sampled on 10/12/2015

P(ppm)



P(ppm)	
■	11 to 16 (7.45 acres)
■	16 to 18 (15.02 acres)
■	18 to 20 (15.25 acres)
■	20 to 21 (14.41 acres)
■	21 to 26 (15.05 acres)
■	26 to 40 (7.55 acres)

Min: 11.2
Max: 39.6
Avg: 20.6



Maps as of 2/22/2018

CNC AG LLC | Eldridge
 Ralfs | North 50 | 2018 | 48.7 acres
 Field Sampled on 10/12/2015

P(ppm)



P(ppm)	
31 to 40	(4.87 acres)
40 to 46	(9.76 acres)
46 to 47	(9.8 acres)
47 to 49	(9.62 acres)
49 to 59	(9.8 acres)
59 to 85	(4.86 acres)

Min: 30.5
Max: 84.9
Avg: 48.8



Maps as of 2/22/2018

RUSLE2 Profile Erosion Calculation Record

Info: **T Ralfs East**

File: profiles\DITTMER

Inputs:

Location: USA\Iowa\Scott County

Soil: Scott County, Iowa\120B Tama silty clay loam, 2 to 5 percent slopes\Tama Silty clay loam 95%

Slope length (horiz): 150 ft

Avg. slope steepness: 4.0 %

<i>Management</i>	<i>Vegetation</i>	<i>Yield units</i>	<i># yield units, #/ac</i>
managements\CMZ 04\c.Other Local Mgt Records\DITTMERcorn grain;FC, st pt, disk, fcult, z4	vegetations\Corn, grain	bushels	235.00

Contouring: a. rows up-and-down hill

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: Normal res. burial

Outputs:

T value: 5.0 t/ac/yr

Soil loss erod. portion: 1.4 t/ac/yr

Detachment on slope: 1.4 t/ac/yr

Soil loss for cons. plan: 1.4 t/ac/yr

Sediment delivery: 1.4 t/ac/yr

Crit. slope length: 150 ft

Surf. cover after planting: 69 %

Avg. ann. forage harvest: 0 lb/ac

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Fert applic. surface broadcast		97
11/1/0	Manure injector, liquid low disturb.30 inch		97
11/3/0	Chisel, st. pt.		80
4/28/1	Cultivator, field 6-12 in sweeps		68
5/1/1	planter, double disk opnr	Corn, grain	69
5/3/1	Sprayer, pre-emergence		68
6/7/1	Sprayer, post emergence and fert. tank mix		60
10/20/1	Harvest, killing crop 50pct standing stubble		93

RUSLE2 Profile Erosion Calculation Record

T Ralfs West

Inputs:

Location: USA\Iowa\Scott County
 Soil: Scott County, Iowa\119B Muscatine silty clay loam, 2 to 5 percent slopes\Muscatine Silty clay loam 95%
 Slope length (horiz): 150 ft
 Avg. slope steepness: 4.0 %

<i>Management</i>	<i>Vegetation</i>	<i>Yield units</i>	<i># yield units, #/ac</i>
managements\CMZ 04\c.Other Local Mgt Records\DITTMERcorn grain;FC, st pt, disk, fcult, z4	vegetations\Corn, grain	bushels	235.00

Contouring: a. rows up-and-down hill
 Strips/barriers: (none)
 Diversion/terrace, sediment basin: (none)
 Subsurface drainage: (none)
 Adjust res. burial level: Normal res. burial

Outputs:

T value: 5.0 t/ac/yr
 Soil loss erod. portion: 1.6 t/ac/yr
 Detachment on slope: 1.6 t/ac/yr
 Soil loss for cons. plan: 1.6 t/ac/yr
 Sediment delivery: 1.6 t/ac/yr

Crit. slope length: 150 ft
 Surf. cover after planting: 69 %
 Avg. ann. forage harvest: 0 lb/ac

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Fert applic. surface broadcast		97
11/1/0	Manure injector, liquid low disturb.30 inch		97
11/3/0	Chisel, st. pt.		80
4/28/1	Cultivator, field 6-12 in sweeps		68
5/1/1	planter, double disk opnr	Corn, grain	69
5/3/1	Sprayer, pre-emergence		68
6/7/1	Sprayer, post emergence and fert. tank mix		60
10/20/1	Harvest, killing crop 50pct standing stubble		93



Iowa Department of Natural Resources

Construction Permit Application Form Confinement Feeding Operations

INSTRUCTIONS:

Prior to constructing, installing, modifying or expanding a confinement feeding operation structure¹, answer questions 1-8 on Item 3, Section A (page 2), to determine if a construction permit is required. To calculate the animal unit capacity (AUC) of the operation, complete Table 1 (page 4.) If a construction permit is required, complete the rest of the form, have the applicant(s) sign it on pages 5 and 6. Mail to the DNR (see address on page 5) this application form, documents and fees requested in Checklist No. 1 or 2 (pages 10-15). See item 5 (page 5), to determine which checklist to use.

If a construction permit is not needed, some pre-construction requirements may still apply prior to the construction of a formed manure storage structure². See page 5 for additional DNR contact information.

THIS APPLICATION IS FOR:

1. A new confinement feeding operation
2. An existing confinement feeding operation (answer all of the following questions):
 - a) Facility ID No. (5 digit number): NA
 - b) Date when the operation was first constructed: _____
 - c) Date when the last construction, expansion or modification was completed: _____

(Not needed if the confinement operation has previously received a construction permit from DNR.)

- d) Is this also an ownership change? Yes No If yes box is checked additional fees apply. See page 8

ITEM 1 – LOCATION AND CONTACT INFORMATION (See page 17 for instructions and an example):

A) Name of operation: JT Allens Grove Pork LLC
 Location: NE SE 32 T80N R2W Allens Grove Scott
(1/4 1/4) (1/4) (Section) (Tier & Range) (Name of Township) (County)

B) Applicant information:
 Name: JT Allens Grove LLC Title: Owner
 Address: 12090 240TH ST. ELDRIDGE, IA 52748
 Telephone: 563-285-4006 Fax: _____ Email: _____

C) Person to contact with questions about this application (if different than applicant):
 Name: Carrie Keppy Title: Consultant
 Address: 13258 Slopertown Rd. Davenport, IA 52806
 Telephone: 515-979-6954 Fax: _____ Email: ctkeppy@netins.net

Enclose aerial photo or engineering drawing showing the proposed location of the confinement feeding operation structure¹ and all applicable separation distances, as requested in Attachment 1 (pages 11-12 or 14-15). See example of aerial photo on pages 18 to 19, at the end of this form.

I manage or am the majority owner of another confinement feeding operation located within 2,500 feet of the proposed site. Please contact the DNR AFO Program staff at (712) 262-4177 to verify site adjacency requirements.

¹ Confinement feeding operation structure = animal feeding operation structure (confinement building, manure storage structure or egg washwater storage structure) that is part of a confinement feeding operation. Manure storage structures include formed and unformed manure storage structures.

² Formed manure storage structure = covered or uncovered concrete or steel tanks, and concrete pits below the building.

ITEM 2 – SITING INFORMATION:

- A) Karst Determination: Go to DNR AFO Siting Atlas at <http://programs.iowadnr.gov/maps/afo/>. Agree to the disclaimer, then search for your site by either scrolling into your location or entering an address or legal description in the bottom search bar. Left click on the location of your proposed structure. Make sure the karst layer box is checked on the map layers. If you cannot access the map, or if you have questions about this issue, contact the AFO Engineer at (712) 262-4177. Check one of the following:
- The site is not in karst or potential karst. Print and enclose the map with the name and location of the site clearly marked.
 - The site is in karst. The upgraded concrete standards of 567 IAC 65.15(14)"c" must be used. Refer to "Applicant's submittal checklist" on page 10 for karst documentation.
 - The site is within 1,000 feet of a known sinkhole, Secondary Containment Barrier is required in accordance with 567 IAC 65.15(17).
- B) Alluvial Soils Determination: Go to the AFO Siting Atlas as described above. Make sure the alluvial layer box is checked on the map legend. If you cannot access the map, or if you have questions about this issue, contact DNR Flood Plain at (866) 849-0321. Check one of the following:
- The site is not in alluvial soils. Print and enclose the map with the name and location of the site clearly marked.
 - The site is in alluvial soils. You will need to submit a request for a flood plain determination from DNR Flood Plain (866) 849-0321. After receiving determination submit one of the following:
 - Not in 100-year floodplain or does not require a flood plain permit. Include correspondence from the DNR Flood Plain Section.
 - Requires flood plain permit. Include flood plain permit.
 - Documentation has been submitted to determine site is not in alluvial soils. Refer to "Applicant's Submittal Checklist" on page 10 for alluvial soils documentation.

ITEM 3 – OPERATION INFORMATION:

- A) A construction permit is required prior to any of the following:
1. Constructing or modifying any unformed manure storage structure³, or constructing or modifying a confinement building that uses an unformed manure storage structure³.
 2. Constructing, installing or modifying a confinement building or a formed manure storage structure² at a confinement feeding operation if, after construction, installation or expansion, the AUC of the operation is 1,000 animal units (AU) or more. This also applies to confinement feeding operations that store manure exclusively in a dry form.
 3. Initiating a change that would result in an increase in the volume of manure or a modification in the manner in which manure is stored in any unformed manure storage structure³, even if no construction or physical alteration is necessary. Increases in the volume of manure due to an increase in animal capacity, animal weight capacity or AUC up to the limits specified in a previously issued construction permit do not require a new construction permit.
 4. Initiating a change, even if no construction or physical alteration is necessary, that would result in an increase in the volume of manure or a modification in the manner in which manure is stored in a formed manure storage structure² if, after the change, the AUC of the operation is 1,000 AU or more. Increases in the volume of manure due to an increase in animal capacity, animal weight capacity or AUC up to the limits specified in a previously issued construction permit do not require a new construction permit.
 5. Constructing or modifying any egg washwater storage structure or a confinement building at a confinement feeding operation that includes an egg washwater storage structure.
 6. Initiating a change that would result in an increase in the volume of egg washwater or a modification in the manner in which egg washwater is stored, even if no construction or physical alteration is necessary. Increases in the volume of egg washwater due to an increase in animal capacity, animal weight capacity or AUC up to the limits specified in a previously issued construction permit do not require a new construction permit.
 7. Repopulating a confinement feeding operation if it was closed for 24 months or more and if any of the following apply:
 1. The confinement feeding operation uses an unformed manure storage structure³ or egg washwater storage structure;
 2. The confinement feeding operation includes only confinement buildings and formed manure storage structures² and has an AUC of 1,000 AU or more.
 8. Installing a permanent manure transfer piping system, unless the department determines that a construction permit is not required.

³ Unformed manure storage structure = covered or uncovered anaerobic lagoon, earthen manure storage basin, aerobic earthen structure.
11/2014 cmc

- B) In your own words, describe in detail, the proposed construction, expansion, installation, modification or repair being proposed in this project. (Must be completed) Attach additional pages if necessary:
The proposed construction is of two(2) wean/finish barns, each 241'-4" long x 81'-2" wide x 8'-0" deep, below-ground, covered, concrete manure storage. Pit fans to be located on 6'-0"long x 6'-0"wide x 8'-0" deep pumpout ports. Water line will not enter buliding through manure storage structure. Each barn is planned to house 2400 head.

- C) **Master Matrix** (must check one). If any of boxes 1 to 3 are checked, the operation is required to be evaluated with the master matrix if the county, where the confinement feeding operation structure¹ is or would be located, has adopted a 'Construction Evaluation Resolution' (CER). Select the one that best describes your confinement feeding operation:

1. A new confinement feeding operation proposed in a county that has adopted a CER.
2. An existing operation constructed on or after April 1, 2002, in a county that has adopted a CER.
3. An existing operation constructed prior to April 1, 2002, with a current or proposed AUC of 1,667 AU or more, in a county that has adopted a CER.
4. None of the above. Therefore, the master matrix evaluation is not required.

- D) **Qualified Operation** (must check one). If any of boxes 1 to 4 are checked, the operation is also a 'qualified operation'. A qualified operation is required to use a manure storage structure that employs bacterial action which is maintained by the utilization of air or oxygen, and which shall include aeration equipment. However, this requirement does not apply if box 5 is checked. Select the one that best describes your confinement feeding operation:

1. A swine farrowing and gestating operation with an AUC of 2,500 AU or more. If the replacement breeding swine are raised and used at the operation, the animal units for those replacement animals do not count in the operations total AUC.
2. A swine farrow-to-finish operation with an AUC of 5,400 AU or more.
3. A cattle confinement feeding operation (including dairies) with an AUC of 8,500 AU or more.
4. Other confinement feeding operations with an AUC of 5,333 AU or more.
5. This is not a qualified operation because:
 - a. It is below the limits shown on boxes 1 to 4.
 - b. It includes a confinement feeding operation structure¹ constructed prior to May 31, 1995.
 - c. It handles manure exclusively in a dry form (poultry).

ITEM 4 – ANIMAL UNIT CAPACITY (AUC) and, if applicable, ANIMAL WEIGHT CAPACITY (AWC):

A) Calculating AUC – Required for all operations

For each animal species, multiply the maximum number of animals that you would ever confine at one time by the appropriate factor, then add all AU together on Table 1 (page 4). Use the maximum market weight for the appropriate animal species to select the AU factor.

You must complete all applicable columns in Table 1. Use column a) to calculate the existing AUC, before permit for existing operations only. Use column b) to calculate the 'Total proposed AUC' (after a permit is issued) including new operations. The number obtained in column b) is the AUC of the operation and must be used to determine permit requirements. Use column c) to calculate the 'New AU' to be added to an existing operation. To calculate the indemnity fee (see page 7), also use column c), however, if the "Existing AUC" (column a) is 500 AU or less, enter the "Total proposed AUC" (column b) in the "New AU" (column c).

In calculating the AUC of a confinement feeding operation, you must include the AUC of all confinement buildings which are part of the confinement feeding operation, unless a confinement building has been abandoned. A confinement feeding operation structure¹ is abandoned if the confinement feeding operation structure¹ has been razed, removed from the site of a confinement feeding operation, filled in with earth, or converted to uses other than a confinement feeding operation structure¹ so that it cannot be used as a confinement feeding operation structure¹ without significant reconstruction. Therefore, in Table 1, enter the animal unit capacity of all the confinement buildings, including those that are from an "adjacent" operation located within 2,500 feet. For more information, contact the AFO Program at (712) 262-4177.

Table 1. Animal Unit Capacity (AUC): (No. HEAD) x (FACTOR) = AUC

Animal Species	a) Existing AUC (Before permit)			b) Total Proposed AUC (After permit)		
	(No. Head)	x (Factor)	= AUC	(No. Head)	x (Factor)	= AUC
Slaughter or feeder cattle		1.0			1.0	
Immature dairy cattle		1.0			1.0	
Mature dairy cattle		1.4			1.4	
Gestating sows		0.4			0.4	
Farrowing sows & litter		0.4			0.4	
Boars		0.4			0.4	
Gilts		0.4			0.4	
Finished (Market) hogs		0.4		4800	0.4	1920
Nursery pigs 15 lbs to 55 lbs		0.1			0.1	
Sheep and lambs		0.1			0.1	
Horses		2.0			2.0	
Turkeys 7lbs or more		0.018			0.018	
Turkeys less than 7 lbs		0.0085			0.0085	
Broiler/Layer chickens 3 lbs or more		0.01			0.01	
Broiler/Layer chickens less than 3 lbs		0.0025			0.0025	
Fish		0.001			0.001	
TOTALS:	a) Existing AUC: <input type="text"/>			b) Total proposed AUC: <input type="text" value="1920"/>		

Note: If the "Existing AUC" (column a) is 500 AU or less, enter the "Total proposed AUC" (column b) in the "New AU" (column c)

c) New AU = b) - a)
d)

(This is the AUC of the operation)

B) Calculating AWC - Only for operations first constructed prior to March 1, 2003

The AWC is needed for an operation that was first constructed prior to March 1, 2003, to determine some of the minimum separation distance requirements for construction or expansion.

The AWC is the product of multiplying the maximum number of animals that you would ever confine at any one time by their average weight (lbs) during the production cycle. Then add the AWC if more than one animal species is present (examples on how to determine the AWC are provided in 567 IAC 65.1(455B).)

If the operation was first constructed prior to March 1, 2003, you must complete all applicable columns in Table 2:

Table 2. Animal Weight Capacity (AWC): (No. head) * (Avg. weight, lbs) = AWC, lbs

Animal Species	a) Existing AWC (Before Permit)			b) Proposed AWC (After permit)		
	(No. head) x	avg weight	= AWC	(No. head) x	avg weight	= AWC
Slaughter or feeder cattle						
Immature dairy cattle						
Mature dairy cattle						
Gestating sows						
Farrowing sows & litter						
Boars						
Gilts						
Finished (Market) hogs						
Nursery pigs 15 lbs to 55 lbs						
Sheep and lambs						
Horses						
Turkeys 7lbs or more						
Turkeys less than 7 lbs						
Broiler/Layer chickens 3 lbs or more						
Broiler/Layer chickens less than 3 lbs						
Fish						
TOTALS:	a) Existing AWC: <input type="text"/>			b) Total proposed AWC: <input type="text"/>		

c) New AWC = b) - a):

(This is the AWC of the operation)

ITEM 5 – SUBMITTAL REQUIREMENTS Checklists No. 1 or 2 (pages 10-15) describe the submittal requirements, which are based on the type of confinement feeding operation structure¹ and AUC proposed. To determine which checklist to use, choose the option that best describes your confinement feeding operation:

- A) **Formed manure storage structures²**: The proposed confinement feeding operation structure¹ will be or will use a formed manure storage structure². Check one of the following boxes:
1. A swine farrowing and gestating operation with an AUC of 1,250 AU or more. Use Submittal Checklist No. 2 (page 13).
 2. A swine farrow-to-finish operation with an AUC of 2,750 AU or more. Use Submittal Checklist No. 2 (page 13).
 3. A cattle confinement feeding operation (including dairies) with an AUC of 4,000 AU or more. Use Submittal Checklist No. 2 (page 13).
 4. Other confinement feeding operations with an AUC of 3,000 AU or more. Use Submittal Checklist No. 2 (page 13).
 5. None of the above. Use Submittal Checklist No. 1 (page 10).

If any of boxes 1 to 4 are checked, the operation meets the threshold requirements for an engineer⁴ and a Professional Engineer (PE), licensed in Iowa, is required. For these cases, use Submittal Checklist No. 2 (page 13).

If you checked box 5, your operation is below threshold requirements for an engineer⁴ and a Professional Engineer (PE) is not required. Use Submittal Checklist No. 1 (page 10).

- B) **Unformed manure storage structure³**: The proposed confinement feeding operation structure¹, will be or will use an unformed manure storage structure³ or an egg washwater storage structure. A Professional Engineer (PE) licensed in Iowa must design and sign the engineering documents for any size of operation. Use Submittal Checklist No. 2 (page 13) and Addendum "A" (page 16).

ITEM 6 – SIGNATURE:

I hereby certify that the information contained in this application is complete and accurate.

Signature of Applicant(s): TC North mgr Date: 3-2-18

MAILING INSTRUCTIONS:

To expedite the application process, follow the submittal requirements explained in Checklist No. 1 or 2 (pages 10 to 16), whichever applies. Page 1 of this form should be the first page of the package. Mail all documents and fees to:

**Iowa DNR
AFO Program
1900 N Grand Ave
Gateway North, Ste E17
Spencer, IA 51301**

(Note: Incomplete applications will be returned to the sender.)

Questions

Questions about construction permit requirements or regarding this form should be directed to an engineer of the animal feeding operations (AFO) Program at (712) 262-4177 To contact the appropriate DNR Field Office, go to <http://www.iowadnr.gov/InsideDNR/DNRStaffOffices/EnvironmentalFieldOffices.aspx>.

⁴ Threshold requirements for an engineer apply to the construction of a formed manure storage structure². Operations that meet or exceed the threshold requirements for an engineer are required to submit engineering documents signed by a professional engineer licensed in the state of Iowa. Please refer to Checklist No. 2 (pages 13-15).

ITEM 7

Interested Parties Form
Confinement Feeding Operation

Interest means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly or indirectly through a spouse or dependent child, or both.

INSTRUCTIONS:

Please list all persons (including corporations, partnerships, etc.) who have an interest in any part of the confinement feeding operation covered by this permit application.

Full Name	Address	City/State	Zip
Tom Dittmer	12090 240th St.	Eldridge/IA	52748
Joni Dittmer	12090 240th St.	Eldridge/IA	52748

For each name above, please list below all other confinement feeding operations in Iowa in which that person has an interest. Check box "None", below, if there are no other confinement feeding operations in Iowa in which the above listed person(s) has or have an interest.

Operation Name	Location (1/4 1/4, 1/4, Section, Tier, Range, Township, County)	City
----------------	---	------

None [There are no other confinements in Iowa in which the above listed person(s) has or have an interest].

SEE ATTACHED PAGE

I hereby certify that the information provided on this form is complete and accurate.

Signature of Applicant(s): Tom Dittmer Mgr Date: 3-2-18

Farm ID#	Farm Name	Legal Description	CITY
59556	Home Sow	SW SW Sec. 7 T79N R3E Sheridan, Scott Co.	Eldridge
59557	Walcott WF	NW SW Sec. 10 T78N R2E Blue Grass, Scott Co.	Walcott
65036	Engler Site	SE NW Sec. 4 T79N R3E Sheridan, Scott Co.	Long Grove
65037	DeWulf Site	SE SW Sec. 17 T80N R3E Winfield, Scott Co.	Eldridge
65381	TJ WF	NW NW Sec. 13 T79N R2E Hickory Grove, Scott Co.	Eldridge
66831	TJ West	NW NE Sec. 24 T79N R1W Farmington, Cedar Co.	Durant
66929	J2T2 LLC	NE NE SEC. 17 T79N R1W Cleona, Scott Co.	Stockton
67903	Pioneer WF	NE NE Sec. 25 T79N R1W Farmington, Cedar Co.	Durant
67907	Wheatland Site	SW SE SEC 15 T81N R1E Spring Rock, Clinton Co.	Wheatland
68641	Urmie Site	SE SW SEC. 9 T80N R2W Center, Cedar Co.	Tipton
68688	JT Center Pork 2+	SW SE SEC. 22 T80N R2W Center, Cedar Co.	Tipton
68689	JT Center Pork 1	SE SE SEC. 33 T80N 2W Center, Cedar co.	Tipton
56977	JT Center Pork 3	NW NW Sec. 26 T80N R2W Center, Cedar Co.	Tipton
68979	JT Farmington Pork	NE NW Sec. 7 T79N R1W Farmington, Cedar Co.	Tipton
69557	JT Rochester Pork	NE NW Sec. 6 T79N R2W Rochester, Cedar Co.	Tipton

ITEM 8

**Manure Storage Indemnity Fee Form
for Construction Permits**

CASHIER'S USE ONLY 0474-542-474A-0431 Facility ID # County
--

Credit fees to: JT Allens Grove Pork LLC

Name of operation: JT Allens Grove Pork LLC

INSTRUCTIONS:

- 1) Use the 'Total Proposed AUC' from column b), Table 1 (page 4), to select the appropriate fee line in the table below. The 'Total Proposed AUC' is the AUC of the operation.
- 2) Select the animal specie and row number (see examples). Enter the 'New AU' from column c), Table 1 (page 4). The 'New AU' is the number of AU to be added to an existing operation or being proposed with a new operation. **Note:** If the "Existing AUC" (column a) is 500 AU or less, enter the "Total proposed AUC" (column b) in "New AU" (column c).
- 3) Multiply the 'New AU' by the appropriate 'Fee per AU'. The resulting number is the indemnity fee due.

- **Example 1:** An existing swine operation is expanding from an 'Existing AUC' of 1,000 AU to a 'Total Proposed AUC' of 1,800 AU, and has previously paid an indemnity fee for the existing 1,000 AU. Calculate the indemnity fee as follows: The 'Total Proposed AUC' is between 1,000 AU and 3,000 AU; the animal specie is other than poultry; enter 800 AU in the 'New AU' column, row 4, and multiply it by \$ 0.15:

$$(800 \text{ AU}) \times (\$ 0.15 \text{ per AU}) = \$ 120.00$$

- **Example 2:** An existing poultry operation is expanding from an 'Existing AUC' of 250 AU to a 'Total Proposed AUC' of 2,000 AU and has not paid the indemnity fee for animals housed in the existing buildings. Calculate the indemnity fee as follows: The 'Total Proposed AUC' is between 1,000 AU and 3,000 AU; the animal specie is poultry and the indemnity fee has not previously been paid, enter 2,000 AU in the 'New AU' column on row 3, and multiply it by \$0.06:

$$(2,000 \text{ AU}) \times (\$ 0.06 \text{ per AU}) = \$ 120.00$$

- **Example 3:** If you are proposing a new swine confinement feeding operation with a 'Total Proposed AUC' of 3,500 AU, enter 3,500 AU in the 'New AU' column, row 6 and multiply it by \$ 0.20:

$$(3,500 \text{ AU}) \times (\$ 0.20 \text{ per AU}) = \$ 700.00$$

- **Example 4:** If you are applying for a construction permit but you are not increasing the AUC of the operation, and has previously paid the applicable indemnity for the animals housed in the existing buildings, there is no indemnity fee due (\$ 0.00). If no indemnity fee is due, do not submit this page.

Indemnity Fee Table:

Total Proposed AUC - (After permit) from column b), Table 1	Row	Animal species	New AU - from column c), Table 1	x	Fee per AU	Indemnity Fee
Less than 1,000 AU	1	Poultry		x	\$ 0.04 =	
	2	Other		x	\$ 0.10 =	
1,000 AU or more to less than 3,000 AU	3	Poultry		x	\$ 0.06 =	
	4	Other	1920	x	\$ 0.15 =	288.00
3,000 AU or more	5	Poultry		x	\$ 0.08 =	
	6	Other		x	\$ 0.20 =	

ITEM 8 (Cont.)

Filing Fees Form
for Construction Permits

CASHIER'S USE ONLY
0473-542-473A-0431
0474-542-474A-0431
Facility ID #
County

Credit fees to: JT Allens Grove Pork LLC
Name of operation: JT Allens Grove Pork LLC

INSTRUCTIONS:

1. If the operation is applying for a construction permit enclose a payment for the following:
 Construction application fee \$250.00.
(Note: This fee is non-refundable)
2. A manure management plan must be submitted with a filing fee.
 Manure management plan filing fee \$250.00
(Note: This fee is non-refundable)
3. If this is a change in ownership then indemnity fees must also be paid on the current (existing) total AUC at the appropriate rate on page 7.
 Indemnity fee due to ownership change \$ _____
4. Total filing fees: Add the fees paid in items 1, 2 and 3 (above): \$ 500.00

SUMMARY:	
- Manure Storage Indemnity Fee (see previous page) to be deposited in the Manure Storage Indemnity Fee Fund (474)	\$ <u>288.00</u>
- Total filing fees (see item 4 on this page) to be deposited in the Animal Agriculture Compliance Fund (473)	\$ <u>500.00</u>
TOTAL DUE:	\$ <u>788.00</u>

Make check payable to: Iowa Department of Natural Resources or Iowa DNR; and send it along with the construction application documents (See Submittal Checklist No. 1 or 2, pages 10-15.) Note: Do not send this fee to the county.

COUNTY VERIFICATION RECEIPT OF DNR CONSTRUCTION PERMIT APPLICATION

This form provides proof that the County Board of Supervisors has been provided with a complete copy of the construction permit application documents (everything except the fees) for the confinement feeding operation or a complete MMP has been provided to the County because manure will be applied in that county:

Applicant: JT Allens Grove Pork LLC Telephone: 563-285-4006
 Name of operation: JT Allens Grove Pork LLC
 Location: NE SE 32 T80N R2W Allens Grove Scott
(1/4 1/4) (1/4) (Section) (Tier & Range) (Name of Township) (County)

Documents being submitted to the county:

- Construction permit application form: submit items 1 to 9 (see Submittal Checklist No. 1 or 2)
- Attachment 1 - Aerial photos: Must clearly show the location of the proposed confinement feeding operation structure¹ and that all the separation distances are met, including those claimed for points in the master matrix (if applicable).
- Attachment 2 - Statement of design certification, submit any of the following (see Checklist No. 1 or 2):
 - Construction Design Statement form
 - Professional Engineer (PE) Design Certification form
 - Engineering report, construction plans and technical specifications
 - In addition, if proposing an unformed manure storage structure³ or an egg washwater storage structure submit documentation required in Addendum "A" of this construction application form.
- Attachment 3 - Manure management plan.
- Attachment 4 - Master Matrix (if required). You must include supporting documents (see Checklist No. 1 or 2)

THIS SECTION IS RESERVED FOR THE COUNTY

As soon as DNR receives a construction permit application, the DNR will fax your County Auditor a "Courtesy reminder letter" explaining what actions your County Board of Supervisors must complete and the deadlines.

Public Notice is required for all construction permit applications, including those applications not required to be evaluated with the master matrix and applications in counties not participating in the Master matrix.

Counties participating in the master matrix: the county's master matrix evaluation and county's recommendation is required for the following cases:

- A new confinement feeding operation that is applying for a construction permit
- An existing confinement feeding operation that was first constructed on or after April 1, 2002 that is applying for a construction permit.
- An existing confinement feeding operation that was first constructed prior to April 1, 2002 that is applying for a construction permit with an animal unit capacity (AUC) is 1,667 animal units (AU) or more.

I have read and acknowledge the county's duty with this construction permit application, as specified in 567 IAC 65.10 and Iowa Code 459.304. On behalf of the Board of Supervisors for:

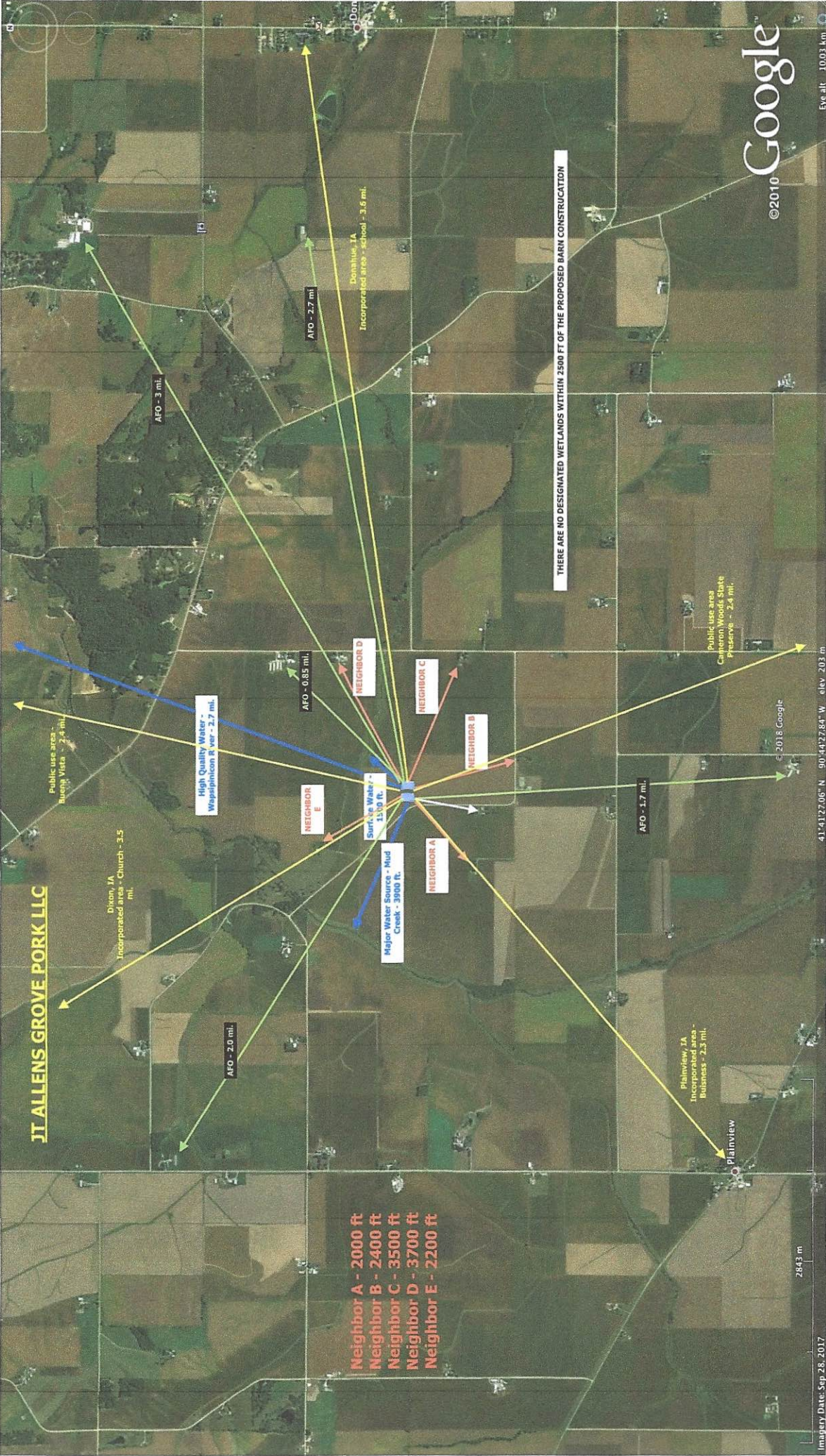
COUNTY: _____
 NAME: _____
 TITLE: _____
(Member of the County Board of Supervisors or its designated official/employee)

Date: _____, 20____.

If you do not receive the courtesy reminder letter within a reasonable time, or if you have any questions, please contact the animal feeding operations (AFO) Program at (712) 262-4177 or visit www.iowaDNR.gov

JT ALLENS GROVE PORK LLC

- Neighbor A - 2000 ft
- Neighbor B - 2400 ft
- Neighbor C - 3500 ft
- Neighbor D - 3700 ft
- Neighbor E - 2200 ft



JT ALLENS GROVE PORK LLC

Manure application area is
200' or more from all
public use areas

Manure application area is
200' or more from all
schools, churches and
commercial enterprises

MANURE APPLICATION
AREA

PROPOSED
BARN
CONSTRUCTION
AREA
2-2400HD
BARN

TRUCK
TURN
AROUND

100 ft to ROW

MANURE APPLICATION
AREA

Owned
Farmstead

Water well yet to be drilled will be
*200ft from barns if shallow well
*100ft from the barns if deep well



THE COUNTY AUDITOR'S SIGNATURE CERTIFIES THAT
THIS RESOLUTION HAS BEEN FORMALLY APPROVED BY
THE BOARD OF SUPERVISORS ON _____
DATE _____

SCOTT COUNTY AUDITOR

RESOLUTION
SCOTT COUNTY BOARD OF SUPERVISORS
April 5, 2018
ADOPTING A RECOMMENDATION TO THE IOWA DEPARTMENT OF NATURAL
RESOURCES TO APPROVE THE CONSTRUCTION PERMIT APPLICATION OF JT
ALLENS GROVE PORK, LLC. FOR THE CONSTRUCTION OF A NEW CONFINED
ANIMAL FEEDING OPERATION IN SECTION 32 OF ALLENS GROVE TOWNSHIP

BE IT RESOLVED by the Scott County Board of Supervisors as follows:

- Section 1. JT Allens Grove Pork, LLC. in the NE ¼ SE ¼ of Section 32, T80N, R2E (Allens Grove Township) has submitted an application to the Iowa Department of Natural Resources (IDNR) for a State construction permit for the construction of a new confined animal feeding operation at 26413 75th Avenue in unincorporated Scott County.
- Section 2. The Scott County Health Department and the Scott County Planning and Development Department have reviewed the State construction permit application and the manure management plan and determined that both appear to be in compliance with the requirements of the Master Matrix, Iowa Code Section 459 and Iowa DNR rules.
- Section 3. The Scott County Board of Supervisors has determined that there are not any additional objects or locations not included in the application that are within the required separation distances, the soils and hydrology of the site appear to be suitable for the proposed expansion, and the applicant has adequate land for the application of manure originating from this confinement feeding operation available.
- Section 4. The Scott County Board of Supervisors published public notice of the receipt of said application, accepted written and electronic comments on the application and held a public hearing on March 22, 2018 during its regularly scheduled meeting to receive public comments on the application.
- Section 5. The Scott County Board of Supervisors will submit to the Iowa DNR the written reports it received from the Scott County Planning and Development and Health Departments on which its determination is based, and the documentation of publication of the required public notices. The Board will also submit all the written or electronic comments from the general public it received on this application.
- Section 6. The Scott County Board of Supervisors would recommend that the State construction permit application of JT Allens Grove Pork, LLC. be approved based on its compliance with the requirements of the Master Matrix, Iowa DNR rules and Iowa Code regulations for such applications.
- Section 7. This resolution shall take effect immediately.