

From: [Caldwell, Greg](#)
To: [John Everly](#)
Cc: [Sappington, Amanda](#); [Wieberg, Chris](#)
Subject: Callaway Farrowing, LLC operating permit application
Date: Tuesday, August 05, 2014 2:26:06 PM
Attachments: [Form W 780-2112.pdf](#)

John,

The department's Water Protection Program has received the July 31, 2014 application for a new Missouri State Operating Permit for Callaway Farrowing, LLC in Callaway County. After a review of the operating permit application it has been determined to be incomplete. Please direct your attention to the following comments on the application.

- Submit the title/cover page of the engineering documents, similar document or the attached Form W with the engineers seal stating that the project was designed in accordance with Missouri CAFO design regulations. The department has recently revised the Form W which provides a place for the engineer seal for this purpose.
- The neighbor notice letter did not provide the name, address, and telephone number of the registered agent or CAFO owner as required by 10 CSR 20-6.300(3)(C)1D. A registered agent is defined in 351.370 RSMo as "A registered agent, which agent may be either an individual, resident in this state, whose business office is identical with such registered office, or a corporation authorized to transact business in this state having a business office identical with such registered office." The registered agent listed for Callaway Farrowing, LLC on the Missouri Secretary of State's Business website is "\$49 Registered Agent Services, Inc." in Osage Beach, MO. The neighbor notice must be resent and include the name, address, and telephone number of the registered agent or CAFO owner to all required parties and proof of neighbor notice must be submitted to the department.

If you have any questions or comments, please contact me.

Greg Caldwell
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Missouri Department of Natural Resources
Water Protection Program
(573)-526-1426
(573)-522-9920 (fax)

Completing PARTS 5 - 11 will meet the requirements of a Nutrient Management Plan (NMP) for an export only operation.

PART 5 – MANURE STORAGE	
5.1 Do all manure storage structures have adequate storage, and operated and maintained as no discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No	
PART 6 – ANIMAL MORTALITY	
6.1 PERMANENT METHOD OF DISPOSING OF ROUTINE ANIMAL MORTALITIES. <input type="checkbox"/> Composting <input type="checkbox"/> Rendering <input type="checkbox"/> Send to a Landfill <input type="checkbox"/> Incineration <input type="checkbox"/> Other (Describe)	
6.2 DESCRIBE METHOD OF MORTALITY HANDLING AND STORAGE THROUGH ALL PHASES TO FINAL DISPOSAL. (EXAMPLE: MORTALITIES ARE COMPOSTED WITHIN 24 HOURS OF DEATH AND FINISHED COMPOST PRODUCT IS STORED UNDER ROOF UNTIL LAND APPLIED). ALSO DESCRIBE THE TYPE OF COMPOST STRUCTURE USED, IF APPLICABLE.	
PART 7 – DIVERSION OF CLEAN WATER	
7.1 Is clean storm water diverted from the production area? <input type="checkbox"/> Yes <input type="checkbox"/> No	
7.2 IF YES, DESCRIBE CONTROLS AND MEASURES USED TO DIVERT STORM WATER.	
7.3 IF NO, DESCRIBE HOW CONTAMINATED STORMWATER IS CONTAINED AND INCLUDE THE STORAGE CAPACITY OF THE CONTAINMENT IF NOT PREVIOUSLY PROVIDED.	
PART 8 – PREVENT DIRECT CONTACT OF ANIMALS WITH SURFACE WATERS	
8.1 Do the animals have access to waters of the state within the production area? <input type="checkbox"/> Yes <input type="checkbox"/> No	
8.2 LIST MEASURES USED TO PREVENT CONFINED ANIMAL FORM HAVING DIRECT CONTACT WITH WATERS OF THE STATE.	
PART 9 – CHEMICAL HANDLING	
9.1 Check the appropriate boxed below to indicate method for handling and disposal of chemicals used by the operation: <input type="checkbox"/> Chemicals are stored, handled, and disposed of according to manufacturer labels. <input type="checkbox"/> Chemical storage and handling areas are protected from precipitation and runoff, and any spillage is contained within these areas. <input type="checkbox"/> Emergency procedures and equipment are in place to contain and clean up chemical spills. <input type="checkbox"/> Equipment wash areas are designed and constructed to prevent contamination of surface waters. <input type="checkbox"/> No chemicals are stored or handled in the production area.	
PART 10 – MANURE ANALYSIS TESTING	
10.1 LIST EACH TYPE OF MANURE SOURCE. (i. e. MANURE, LITTER, COMPOST, WASTE WATER.)	
10.2 DESCRIBE PROCEDURES FOR ENSURING EACH MANURE SOURCE IS TESTED ANNUALLY.	
PART 11 – RECORD KEEPING	
11.1 Are records of all inspections, manure transfers, discharges and land application maintained? <input type="checkbox"/> Yes <input type="checkbox"/> No	
PART 12 – SIGNATURE	
NAME	TITLE
SIGNATURE	DATE
Part 13 - Engineer Certification	
House Bill (HB) 28, which became effective on August 28, 2013 contained provisions that changed construction permitting requirements. Construction permits are required for the construction of an earthen storage structure to hold, convey, contain, store, or treat domestic, agricultural, or industrial process wastewater. Construction of all other point source systems designed to hold, convey, contain, store, or treat domestic, agricultural, or industrial process waste must be designed by a professional engineer registered in Missouri in accordance with design regulations.	
Operation Name Address City	Engineer Firm Address City State Zip Code
I, Project Engineer of the certify that above described systems have been designed in accordance with Missouri CAFO design regulations in 10 CSR 20-8.300	ENGINEER SEAL
_____ PROJECT ENGINEER SIGNATURE	

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INSTRUCTIONS

PART 1 - PERMIT OWNERSHIP AND CONTACT INFORMATION

- 1.1 General location and contact information for the operation. Do not use P.O. Box or RR as physical address of the operation.
- 1.2 Provide the name of the legal entity that owns or operates the CAFO facility.
- 1.3 List the Continuing Authority, if it is the same as the Owner enter "Same as above". The Continuing Authority is the permanent organization or party, responsible for operation and maintenance of the CAFO. All corporate entities are to be listed with the Secretary of State's web site.

PART 2 - PERMIT TYPE

- 2.1 **Check only one box.** Indicate which permit you are applying for. EPA regulations require CAFO's that discharge to obtain a NPDES (general or site specific) permit. State Regulations require all Class I CAFO's that do not seek coverage under a NPDES permit to obtain a State No-Discharge General Permit.
- 2.2 Indicate which type of permit action is being requested. Application for NPDES permit must also complete Land Application Information Table.

Applications for new permits or permit modification the following additional documents must be submitted:

Title page of engineering documents or similar document. This must include name and address of the operation, date prepared, name and address of firm preparing the report, seal and signature of the engineer, and a statement indicating the project was designed in accordance with 10 CSR 20-8.300.

Narrative project summary. This shall include the number of confinement buildings, the design capacity in animal units and animal numbers for each type of animal, and an explanation of the manure management system and any proposed modifications.

Calculations showing the amount of manure generated annually, storage volume calculations and days of storage of all manure storage structures, including mortality composter.

An aerial and topographic map showing the extent of the production area including all confinement buildings, open lots, manure storage structures surface water and areas subject to a one hundred year flood event within or adjacent to the production area, and production area setback distances in accordance with 10 CSR 20-8.300(5)(B).

Nutrient Management Plan. NPDES permit applications for a new or modified permit shall include the operations nutrient management plan. For State no-discharge permit applications for a new permit shall include the operations nutrient management plan. If the operation is export only, completing Parts 5-11 meets this requirement.

Class I CAFOs shall also include proof of neighbor notice to all parties listed in 10 CSR 20-6.300(3)(C)2, maps that meets the requirement of 10 CSR 20-6.300(3)(C)4.

Applications for renewal of a NPDES permit shall include the NMP.

Ownership transfers must have previous owner name, address and signature.

PART 3 – DESIGN CAPACITY FOR MANURE STORAGE AND ANIMALS OF EACH CAFO FEATURE

Some of this information can be obtained from your current operating permit or construction permit if one was required.

- 3.1 From the table below enter the code for each storage structure type for a new permit. For renewal or modification enter the code for each storage structure type for each CAFO Feature listed on the permit. If there are multiple storage types at a CAFO Feature, use a comma to separate the code and days of storage. The Design Liquid Flow is only needed for NPDES permits, to calculate, divide the Design Wastewater per year by 365, and then divide by one million. (e.g. for a Design Wastewater per Year of 5,000,000 gal., $5,000,000 \div 365 = 13,698.6$ gal/day, then $13,698.6 \div 1,000,000 = .0136986$ MGD). Attach additional sheets if necessary.

Code	Storage Structure Type	Code	Storage Structure Type
A	Above Ground Storage Tank	F	Roofed Storage Shed
B	Below Ground Storage Tank	G	Mortality Composter
C	Underfloor (Deep) Pits	H	Anaerobic Digester
D	Storage Lagoon	I	Concrete Pad
E	Anaerobic Lagoon	J	Impervious Soil Pad

- 3.2 Per instructions in 3.1, enter the code from the table below for each animal category and the number of each animal type in confinement. Do not include animals in pasture.

Code	Animal Category	Code	Animal Category
1	Beef/feeder cattle, veal calves, cow/calf pairs, dairy heifers	7	Chicken laying hens and broilers with wet handling system
2	Horses	8	Chicken laying hens without wet handling system
3	Mature Dairy cows	9	Turkeys in growout phase
4	Swine under 55 lbs.	10	Chicken broilers, pullets and turkey poults in brood phase all without wet handling system
5	Swine over 55 lbs.		
6	Sheep, lambs, meat & dairy goats	11	Other (specify) Contact the Water Protection Program for Animal Equivalent Units and SIC Codes for other animal types.

PART 4 – OPERATIONAL INFORMATION

4.1 **SIC Code** - Enter SIC codes from table below in decreasing order by animal units, for each animal type in confinement. **CAFO Class Size**. Enter CAFO Class Size based on Animal Units (AU).

1 AU = ¹	Animal Category	SIC Code	1 AU = ¹	Animal Category	SIC Code	1 AU = ¹	Animal Category	SIC Code
1	Beef/feeder cattle	0211	0.7	Mature Dairy Cows	0241	55	Turkey/Turkey layers ²	0253
2.5	Hogs	0213	125	Broilers/Pullets ²	0251/0252	125	Poultry hatcheries ²	0254
10	Sheep, goats	0214	82	Chicken layers ²	0252	0.5	Horses	0272

¹ Animal unit conversion factor.

² Animal unit conversion factor is for dry manure handling system only

4.2 Indicate if this is an export only operation. If any amount of manure litter, and process wastewater is land applied on land owned, leased or controlled by the CAFO's owner, then it is not an export only operation.

PART 5 – MANURE STORAGE

State regulations require CAFOs ensure adequate storage of manure, litter, or process waste water, including the proper operation and maintenance of each storage facility

PART 6 - ANIMAL MORTALITY

State regulations require proper management of animal mortalities at all CAFOs and there be no discharge from dead animal collection, holding, or disposal areas at the CAFO's production area(s). In addition, the Missouri Department of Agriculture requires the collection or disposal of dead animals in accordance with the Dead Animal Disposal Law under Chapter 269 RSMo.

PART 7 - DIVERSION OF CLEAN WATER

State regulations require CAFOs to divert clean storm water, as appropriate, around the production area. If clean storm water enters the production area it is considered contaminated and cannot be discharged from the production area.

PART 8 - PREVENT DIRECT CONTACT OF ANIMALS WITH SURFACE WATERS

State regulations require that CAFOs prevent the direct contact of confined animals with waters of the state.

PART 9 - CHEMICAL HANDLING

State regulations require chemicals and other contaminants handled on-site not be disposed of in any manure, litter, process wastewater, storm water storage or treatment system unless specifically designed to treat such chemicals and other contaminants

PART 10 - MANURE ANALYSIS TESTING

State regulations require that each unique source of manure be tested annually for nutrient content.

PART 11 – RECORD KEEPING

State regulations require specific records to be maintained and kept for five (5) years.

PART 12 – SIGNATURE

Sign and date the application and submit to the department.

PART 13 – ENGINEER CERTIFICATION

The may be completed by the project engineer to certify that the project was designed according to state design regulations in place of submitted the title page of the engineering documents.

LAND APPLICATION INFORMATION TABLE (REQUIRED FOR NPDES PERMTS ONLY)

Attach additional sheets if necessary.

Field Name – Enter the name of each land application field in the NMP.

Legal Description – Enter section, township and range in which majority of the field is located in.

Spreadable Acres – Enter the spreadable acres for each field.

P Loss Risk - Enter either Soil Test P rating or P Loss Index rating for each field.

N or P based Application - Indicate if the field is N or P based application rate.

Crop – Enter all crops that are planned to be grown and any alternative crops that might be grown for each field. Alternative crops with planned yield and application rates must be included in your NMP. If more than five crops are to be listed, continue on next line.

Yield Goal – Enter realistic yield goal for each crop.

Return the application form along with permit fee and other documents, to the address below. If there are any questions concerning this form or permits, contact Industrial Permit Unit at the Water Protection Program at 573-751-1300 or at wateraq@dnr.mo.gov

Water Missouri Department of Natural Resources
Protection Program
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