MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM

FORM W - CONCENTRATED ANIMAL FEEDING OPERATION (CAFO) OPERATING PERMIT APPLICATION

FOR OFFICE USE ONLY	
CHECK NUMBER:	
DATE RECEIVED	FEE SUBMITTED

Complete all applicable sections. Instructions for completing the form are located at the end of the form. Sign, date and return the form and all requested documents along with a check for the appropriate permit fee to the Missouri Department of Natural Resources. Make a copy of this completed form and keep it with your nutrient management plan.

PART 1 – PERMIT OWNERSHIP AND CONTACT INFORMATION

1. 1 OPERATION NAME	CURRENT PERMIT NUMBER MO-	COUNTY
PHYSICAL ADDRESS	LEGAL DESCRIPTION Sec.: Twn.: Rng.:	TELEPHONE NUMBER WITH AREA CODE
CITY	STATE	ZIP CODE
1.2 OWNER (PROVIDE LEGAL NAME)	EMAIL ADDRESS	
MAILING ADDRESS		TELEPHONE NUMBER WITH AREA CODE
CITY	STATE	ZIP CODE
1.3 CONTINUING AUTHORITY (IF DIFFERENT THAN THE OWNER)		
MAILING ADDRESS		TELEPHONE NUMBER WITH AREA CODE
CITY	STATE	ZIP CODE

PART 2 – PERMIT TYPE AND PERMIT ACTION

2.1 PERMIT TYPE

☐ NPDES Site Specific Permit
Request review of draft permit prior to public notice. ☐ Yes ☐ No

☐ NPDES General Permit (MOG01)

☐ State No-Discharge General Permit (MOGS1)

2.2 PERMIT ACTION*

☐ New Permit ☐ Renewal
☐ Modification ☐ Ownership Transfer

_____
PREVIOUS OWNERS NAME

_____
ADRESS

_____
CITY STATE ZIP CODE

_____
SIGNATURE DATE

***See instructions for additional requirements and documents for the request permit action.**

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

3.1 STORAGE STRUCTURE TYPES, AMOUNT OF STORAGE, AND AMOUNT OF MANURE GENERATED PER YEAR.

List All Manure Storage Structures at each CAFO Feature		Dry Manure Handling System		Wet Manure Handling System			
CAFO Feature	Storage Structure Type(s)	Design Dry Process Waste (tons/yr.)	Days of Storage	Total Storage Capacity (gal)	Design Wastewater per Year (gal./yr.)	Days of Storage	Design Flow MGD
001							
002							
003							
004							
005							

3.2 LIST EACH TYPE OF ANIMAL IN CONFINEMENT AND THE NUMBER OF EACH ANIMAL TYPE.

CAFO Feature	Animal Category #1	Animal Numbers	Animal Category #2	Animal Numbers	Animal Category #3	Animal Numbers
001						
002						
003						
004						
005						

PART 4 – OPERATIONAL INFORMATION

4.1 OPERATIONAL INFORMATION (SEE INSTRUCTIONS)
SIC Code(s) CAFO Class Size

4.2 Is this an export-only operation? ☐ Yes ☐ No

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? ☐ Yes ☐ No

PART 6 – ANIMAL MORTALITY

6.1 PEMANENT METHOD OF DISPOSING OF ROUTINE ANIMAL MORTALITIES.

☐ Composting ☐ Rendering ☐ Send to a Landfill ☐ Incineration ☐ 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 stormwater diverted from the production area? ☐ Yes ☐ No

7.2 IF YES, DESCRIBE CONTROLS AND MEASURES USED TO DIVERT STORMWATER.

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? ☐ Yes ☐ 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:

☐ Chemicals are stored, handled, and disposed of according to manufacturer labels.

☐ Chemical storage and handling areas are protected from precipitation and runoff, and any spillage is contained within these areas.

☐ Emergency procedures and equipment are in place to contain and clean up chemical spills.

☐ Equipment wash areas are designed and constructed to prevent contamination of surface waters.

☐ 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? ☐ Yes ☐ No

PART 12 – SIGNATURE

NAME	TITLE
SIGNATURE	DATE

Part 13 - Engineer Certification

House Bill 28, which became effective Aug 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, certify that above described systems have been designed in accordance with Missouri CAFO design regulations in 10 CSR 20-8.300 PROJECT ENGINEER SIGNATURE	ENGINEER SEAL

LAND APPLICATION INFORMATION TABLE (REQUIRED FOR NPDES PERMTS ONLY)

Operation Name: Class Size: Permit #: County:

Field Name	Legal Description	Spreadable Acres	P Loss Risk [2]	N or P Based Application	Crop #1		Crop #2		Crop #3		Crop #4		Crop #5[1]	
					Crop	Yield Goal[3]	Crop	Yield Goal[3]	Crop	Yield Goal[3]	Crop	Yield Goal[3]	Crop	Yield Goal[3]
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1 If more than five planned or alternative crops per field continue on next line.
2 Soil Test P Rating or P Index Rating may be used.
3 Express yield in Bu=Bushels or T=Tons per acre.

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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÷365 = 13,698.6 gal/day, then 13,698.6÷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 Digestor
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 stormwater 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 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 the department's Water Protection Program at 573-751-1300 or waterag@dnr.mo.gov

Water Missouri Department of Natural Resources
Protection Program
P.O. Box 176
Jefferson City, MO 65102