



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM

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

FOR OFFICE USE ONLY

JETPAY CONFIRMATION / 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

| | |
|--|--|
| <p>2.1 PERMIT TYPE</p> <p><input type="checkbox"/> NPDES Site Specific Permit Request review of draft permit prior to public notice. <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> NPDES General Permit (MOG01)</p> <p><input type="checkbox"/> State No-Discharge General Permit (MOGS1)</p> | <p>2.2 PERMIT ACTION*</p> <p><input type="checkbox"/> New Permit</p> <p>Permit fees may be payed online by credit card or eCheck through a system called JetPay. Use the URL provided to make an online payment.</p> <p>NPDES Site Specific Permit - https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/591/</p> <p>NPDES General Permit (MOG01) - https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/599/</p> <p>State No-Discharge General Permit (MOGS1) - https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/742/</p> <p><input type="checkbox"/> Renewal</p> <p><input type="checkbox"/> Modification</p> <p>Permit fees may be payed online by credit card or eCheck through a system called JetPay. Use the URL provided to access JetPay and make an online payment. Modification fee: https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/596/</p> <p><input type="checkbox"/> Ownership Transfer</p> <p>_____</p> <p style="text-align: center;">PREVIOUS OWNERS NAME</p> <p>_____</p> <p style="text-align: center;">ADDRESS</p> <p>_____</p> <p style="text-align: center;">CITY STATE ZIP CODE</p> <p>_____</p> <p style="text-align: center;">SIGNATURE DATE</p> <p>*See instructions for additional requirements and documents for the request permit action.</p> <p>Permit fees may be payed online by credit card or eCheck through a system called JetPay. Use the URL provided to access JetPay and make an online payment. Modification fee: https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/596/</p> |
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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 | | | |
|---|---------------------------|-------------------------------------|-----------------|------------------------------|---------------------------------------|-----------------|-----------------|
| Permitted 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.

| Permitted 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 PERMANENT 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 WATER7.1 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 WATERS8.1 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 FROM HAVING DIRECT CONTACT WITH WATERS OF THE STATE.

PART 9 – CHEMICAL HANDLING

9.1 Are chemicals and other contaminants handled, managed, stored, and disposed of in accordance with 10 CSR 20-6.300(5)(E)?

 Yes No**PART 10 – MANURE ANALYSIS TESTING**

10.1 LIST EACH TYPE OF MANURE SOURCE TO BE TESTED ANNUALLY (i.e., MANURE, LITTER, COMPOST, WASTE WATER.)

10.2 DESCRIBE PROCEDURES FOR ENSURING EACH MANURE SOURCE IS TESTED ANNUALLY.

PART 11 – RECORD KEEPING11.1 Are records of all inspections, manure transfers, discharges and land application maintained? Yes No

PART 12 – CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | |
|-----------|-------|
| NAME | TITLE |
| SIGNATURE | DATE |

PART 13 - ENGINEER CERTIFICATION

As of Aug. 28, 2013, construction permits are only 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 | ENGINEER SEAL |
| PROJECT ENGINEER SIGNATURE | |

INSTRUCTIONS

FEES

Applicants can pay fees online by credit card or eCheck through a system called JetPay.

- Per Section 37.001, RSMo, a transaction fee will be included. The transaction fee is paid to the third party vendor JetPay, not the Department of Natural Resources.
- Be sure to select the correct fee type and corresponding URL to ensure your payment is applied appropriately. If you are unsure what type of fee to pay, please contact the Water Protection Program's Budget, Fees, and Grants Management Unit by phone at 573-522-1485 for assistance.
- Upon successful completion of your payment, JetPay provides a payment confirmation. Submit this form with a copy of the payment confirmation if requesting a new permit or a permit modification. For permit renewals of active permits, the department will invoice fees annually in a separate request.
- If you are unable to make your payment online, but want to pay with credit card, you may email your name, phone number, and invoice number, if applicable, to WPPFees@dnr.mo.gov. The Budget, Fees, and Grants Management Unit will contact you to assist with the credit card payment. **Please do not include your credit card information in the email.**
- Applicants can find fee rates in 10 CSR 20-6.011 (<https://dnr.mo.gov/pubs/pub2564.htm>).

Permit fees may be paid online by credit card or eCheck through a system called JetPay. Use the URL provided below to make the appropriate online payment.

NEW NPDES Site Specific Permit - <https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/591/>

NEW NPDES General Permit (MOG01) - <https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/599/>

NEW State No-Discharge General Permit (MOGS1) - <https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/742/>

Modifications or Ownership Transfers- <https://magic.collectorsolutions.com/magic-ui/payments/mo-natural-resources/596/>

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".

Continuing Authority – A continuing authority is a company, business, entity or person(s) that will be operating the facility and/or ensuring compliance with the permit requirements. A continuing authority is not, however, an entity or individual that is contractually hired by the permittee to sample or operate and maintain the system for a defined time period, such as a certified operator or analytical laboratory. To access the regulatory requirement regarding continuing authority, 10 CSR 20-6.010(2), visit <https://s1.sos.mo.gov/cmsimages/adrules/csr/current/10csr/10c20-6.pdf>. A continuing authority's name must be listed exactly as it appears on the Missouri Secretary of State's (SoS's) webpage: <https://bsd.sos.mo.gov/BusinessEntity/BESearch.aspx?SearchType=0>, unless the continuing authority is an individual(s), government, or otherwise not required to register with the SoS.

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.

The following additional documents must be submitted for applications for new permits or permit modifications:

Title page of engineering documents or similar document, or complete Part 13. Required only for construction of new confinements or manure storage structures. 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.

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 20-6.300(2)(E)2.D.

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.

Proof of neighbor notice to all parties listed in section 640.715 RSMo, and map(s) that meet the requirement of 10 CSR 20-6.300(3)(C)2.

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 is available 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 | 1 AU= | Animal Category | Code | 1 AU= | Animal Category |
|------|-------|--|------|-------|---|
| 1 | 1 | Beef/feeder cattle, veal calves, cow/calf pairs, dairy heifers | 8 | 82 | Chicken laying hens without wet handling system |
| 2 | 0.5 | Horses | 9 | 55 | Turkeys in growout phase |
| 3 | 0.7 | Mature Dairy cows | 10 | 125 | Chicken broilers, pullets and turkey poults in brood phase all without wet handling system |
| 4 | 10 | Swine under 55 lbs. | 11 | 5 | Ducks with a wet handling system |
| 5 | 2.5 | Swine over 55 lbs. | 12 | 30 | Ducks without a wet handling system |
| 6 | 10 | Sheep, lambs, meat & dairy goats | 13 | | Other (specify) Contact the Water Pollution Program for Animal Equivalent Units and SIC Codes for other animal types. |
| 7 | 30 | Chicken laying hens and broilers with wet handling system | | | |

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).

| Animal Category | SIC Code | Animal Category | SIC Code | Animal Category | SIC Code |
|--------------------|----------|-------------------|-----------|----------------------|----------|
| Beef/feeder cattle | 0211 | Mature Dairy Cows | 0241 | Turkey/Turkey layers | 0253 |
| Hogs | 0213 | Broilers/Pullets | 0251/0252 | Poultry hatcheries | 0254 |
| Sheep, goats | 0214 | Chicken layers | 0252 | Horses | 0272 |

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 – CERTIFICATION

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 PERMITS 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 573-522-4502 or cafo@dnr.mo.gov.

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