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MAY 10 2016



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
FORM W - CONCENTRATED ANIMAL FEEDING OPERATION
(CAFO) OPERATING PERMIT APPLICATION

FOR OFFICE USE ONLY
CHECK NUMBER: 00899319
DATE RECEIVED: 5-10-16
FEE SUBMITTED: \$15.00

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: Sharp Sow Farm
CURRENT PERMIT NUMBER: MO- G010124
COUNTY: Daviess
PHYSICAL ADDRESS: 24869 Nickel Avenue
LEGAL DESCRIPTION: Sec.: 03 Twn.: 59N Rng.: 27W
TELEPHONE NUMBER WITH AREA CODE: (660) 748-4647
CITY: Gallatin
STATE: MO
ZIP CODE: 64640
1.2 OWNER (PROVIDE LEGAL NAME): Murphy-Brown LLC of Missouri
EMAIL ADDRESS: bboxley@smithfield.com
MAILING ADDRESS: 17999 US Hwy 65
TELEPHONE NUMBER WITH AREA CODE: (660) 748-4647
CITY: Princeton
STATE: MO
ZIP CODE: 64673
1.3 CONTINUING AUTHORITY (IF DIFFERENT THAN THE OWNER): Murphy-Brown LLC of Missouri, d/b/a Smithfield Hog Production
MAILING ADDRESS: 17999 US Hwy 65
TELEPHONE NUMBER WITH AREA CODE: (660) 748-4647
CITY: Princeton
STATE: MO
ZIP CODE: 64673

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 [x] No
[x] NPDES General Permit (MOG01)
[x] State No-Discharge General Permit (MOGS1)
2.2 PERMIT ACTION*
[] New Permit [] Renewal
[x] Modification [] Ownership Transfer
PREVIOUS OWNERS NAME
ADDRESS
CITY STATE ZIP CODE
SIGNATURE DATE

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

Table with 3 columns: CAFO Feature, Storage Structure Type(s), and Manure Handling System (Dry/Wet). Rows include Anaerobic lagoon - cell #1 and #2.

Table with 7 columns: CAFO Feature, Animal Category #1, Animal Numbers, Animal Category #2, Animal Numbers, Animal Category #3, Animal Numbers. Row 1: swine > 55 lbs, 3,825.

PART 4 - OPERATIONAL INFORMATION

4.1 OPERATIONAL INFORMATION (SEE INSTRUCTIONS)
SIC Code(s) #0213 CAFO Class Size 1C
4.2 Is this an export-only operation? [] Yes [x] 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.
 Mortalities are removed daily from each farm and hauled to the rendering plant. Carcasses are kept from public view.

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.
 Containment or earthen dams maintained down gradient of all confinement buildings, sewer lines, gravity outfalls, lagoon berms & recycle pump stations.

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 FROM HAVING DIRECT CONTACT WITH WATERS OF THE STATE.
 Sharp is a confined animal feeding operation and animals at this facility are confined inside the barns.

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

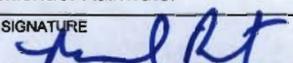
10.1 LIST EACH TYPE OF MANURE SOURCE. (i. e. MANURE, LITTER, COMPOST, WASTE WATER.)
 Wastewater

10.2 DESCRIBE PROCEDURES FOR ENSURING EACH MANURE SOURCE IS TESTED ANNUALLY.
 Lagoons are sampled in accordance with our SOP located in the Nutrient Management Plan

PART 11 – RECORD KEEPING

11.1 Are records of all inspections, manure transfers, discharges and land application maintained? Yes No

PART 12 – SIGNATURE

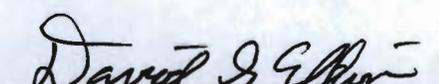
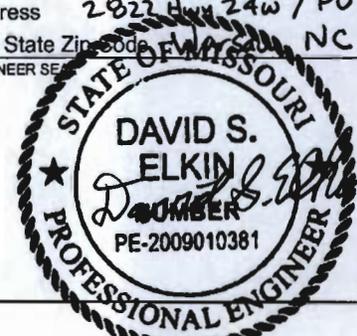
NAME Michael Rainwater	TITLE General Manager
SIGNATURE 	DATE 5/4/16

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	Engineer Firm <i>Smithfield Hog Production</i>
Address	Address <i>2822 Hwy 24w / PO Box 856</i>
City	City State Zip <i>Waverly NC 28398</i>

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	
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LAND APPLICATION INFORMATION (NPDES Permits Only)

Operation Name: **Sharp Sow Farm** Class Size: **IC** Permit #: **MO-G010124** County: **Daviess**

Field Name	Legal Description ¹	Spreadable Acres	P Index Rating	N or P Based	Recommended Rate	Max. amount of N or P applied	List all crops that maybe planted and their projected yield.									
							Crop 1 ²	Yield 1 ³	Crop 2 ²	Yield 2 ³	Crop 3 ²	Yield 3 ³	Crop 4 ²	Yield 4 ³	Crop 5 ²	Yield 5 ³
1	3,4-59N-27W	61.03	L	N	200 lb/ac N	225 lb/ac N	SB	50BU	C	150BU	A	4T	W	66BU	Cl/O r	4T
2	3-59N-27W	34.20	L	N	200 lb/ac N	225 lb/ac N	Or	4T	W	66BU	C	150BU	SB	50BU	A	4T
3	3-59N-27W	9.61	L	N	200 lb/ac N	225 lb/ac N	F	4T	W	66BU	C	150BU	SB	50BU	A/Or	4T
4	3-59N-27W	11.01	L	N	200 lb/ac N	225 lb/ac N	C	150BU	SB	50BU	W	66BU	A/B	4T	Or	4T
5	3-59N-27W	19.94	L	N	200 lb/ac N	225 lb/ac N	C	150BU	SB	50BU	W	66BU	A/B	4T	Or	4T
6	3-59N-27W	18.21	L	N	200 lb/ac N	225 lb/ac N	F	4T	W	66BU	C	150BU	SB	50BU	A/Or	4T
7	3-59N-27W	7.63	L	N	200 lb/ac N	225 lb/ac N	F	4T	W	66BU	C	150BU	SB	50BU	A/Or	4T
8	2-59N-27W	11.99	L	N	200 lb/ac N	225 lb/ac N	C	150BU	SB	50BU	W	66BU	A/B	4T	Or	4T
9	2-59N-27W	7.28	L	N	200 lb/ac N	225 lb/ac N	C	150BU	SB	50BU	W	66BU	A/B	4T	Or	4T

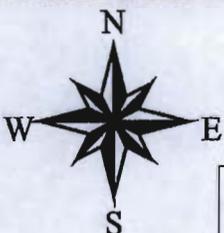
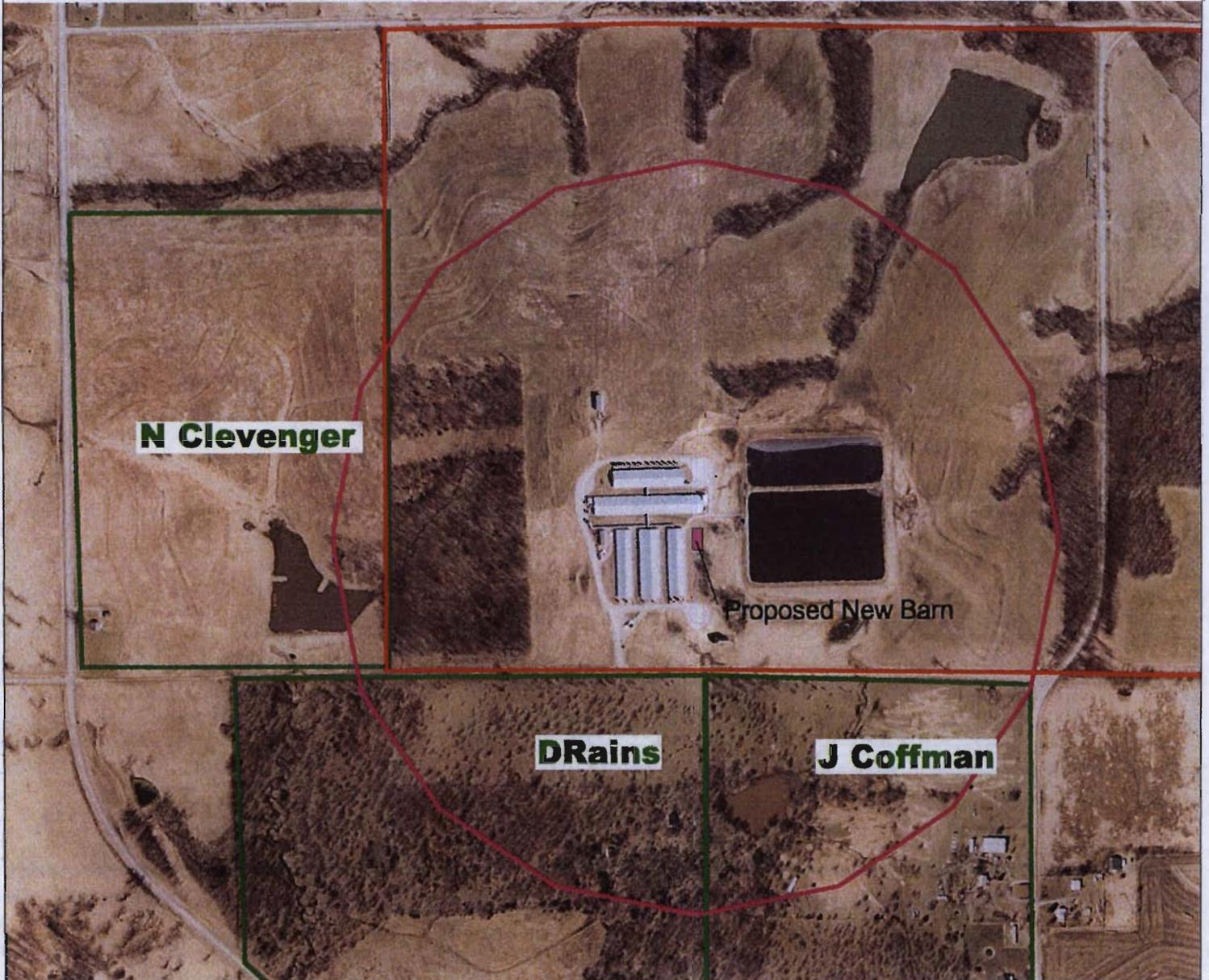
MO 780-2112 (07-12)
 The Recommended Rate and the Maximum Amount of N applied shown are for the corn, if another crop is planted those rates will be adjusted to the recommended rate and the uptake rate for that crop.

¹ Section, Township, Range
² C=Corn, SB=Soybean, W=Wheat, GS=Grain Sorghum, A=Alfalfa, Cl=Clover, B=Brome Grass, F=Fescue, Or=Orchard Grass, Any other crop please specify
³ Express yield in Bu=Bushels or T=Tons
 MO 780-2112 (05-12) DRAFT

Sharp Farm

Legend

- | | | | |
|---|---------------------|---|-----------------------------------|
|  | Sharp Farm Property |  | 1500' Buffer of Proposed New Barn |
|  | Proposed New Barn |  | Neighbors 1500' From New Barn |



0

3000 Feet

MAP UNDER REVIEW-THIS IS NOT THE FINAL RELEASE
This map has been prepared from public data and private gps. It should not be used for legal documents.
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May 3, 2016