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 JUN 17 2016 AP24072 01.4100



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

FOR OFFICE USE ONLY	
CHECK NUMBER:	
DATE RECEIVED	FEE SUBMITTED
6/17/16	<i>[Signature]</i>

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 White Oak Dairy Farm 1A	CURRENT PERMIT NUMBER MO-	COUNTY Lawrence
PHYSICAL ADDRESS NW1/4 Section 13, T29N, R29W	LEGAL DESCRIPTION Sec.: 13 Twn.: 29N Rng.: 29W	TELEPHONE NUMBER WITH AREA CODE (417) 354-0772
CITY	STATE	ZIP CODE
1.2 OWNER (PROVIDE LEGAL NAME) Grasslands Consultants	EMAIL ADDRESS zach@grasslands.org.nz	
MAILING ADDRESS 218 East Broadway	TELEPHONE NUMBER WITH AREA CODE (417) 354-0772	
CITY Monett	STATE MO	ZIP CODE 65708
1.3 CONTINUING AUTHORITY (IF DIFFERENT THAN THE OWNER) Same		
MAILING ADDRESS		TELEPHONE NUMBER WITH AREA CODE
CITY	STATE	ZIP CODE

**PART 2 - PERMIT TYPE AND PERMIT ACTION**

2.1 PERMIT TYPE <input type="checkbox"/> NPDES Site Specific Permit Request review of draft permit prior to public notice. <input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> NPDES General Permit (MOG01)  <input checked="" type="checkbox"/> State No-Discharge General Permit (MOGS1)	2.2 PERMIT ACTION* <input checked="" type="checkbox"/> New Permit <input type="checkbox"/> Renewal <input type="checkbox"/> Modification <input type="checkbox"/> Ownership Transfer  _____ PREVIOUS OWNERS NAME  _____ ADDRESS  _____ CITY STATE ZIP CODE  _____ SIGNATURE DATE *See instructions for additional requirements and documents for the request permit action.
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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.							
CAFO Feature	List All Manure Storage Structures at each CAFO Feature Storage Structure Type(s)	Dry Manure Handling System		Wet Manure Handling System			
		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	D			1991250	1541187	221	.004
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	3	650				
002						
003						
004						
005						

**PART 4 - OPERATIONAL INFORMATION**

4.1 OPERATIONAL INFORMATION (SEE INSTRUCTIONS) SIC Code(s) 0241	CAFO Class Size IB
4.2 Is this an export-only operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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) Burial

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 will be shipped to a rendering plant or buried on-farm.

**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.

Site is graded to prevent storm water runoff from entering production area.

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.

**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 storage pond effluent.

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

Grab samples are collected from around the pond perimeter and combined into one consolidated sample.

**PART 11 - RECORD KEEPING**

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

**PART 12 - SIGNATURE**

NAME <i>Eddy Ward</i>	TITLE Manager
SIGNATURE <i>Eddy Ward</i>	DATE 12-17-15

**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 <i>White Oak Dairy Farm 1A</i>	Engineer Firm <i>Allied Engineering Services, LLC</i>
Address	Address <i>P.O. Box 29</i>
City	City State Zip Code <i>Bowling Green, MO 63334</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

ENGINEER SEAL

*[Signature]*  
PROJECT ENGINEER SIGNATURE