



STATE OF ARKANSAS  
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
WATER DIVISION

8001 NATIONAL DRIVE, P.O. BOX 8913  
LITTLE ROCK, ARKANSAS 72219-8913  
PHONE: (501) 682-0744  
FAX: (501) 682-0707



February 5, 1996

Garry & Sandra Ingalsbe  
G-S Farms  
295 Sisco Place  
Dover, AR 72837

RE: CSN NO. 58-0127, PERMIT NO. 2745-WR-2

Dear Mr. and Mrs. Ingalsbe,

We have received your request for a state water permit transfer due to a change of ownership. As a result, The Department has administratively changed the name on the permit to your name. The enclosed permit is your authority to operate and maintain the waste disposal system. You should carefully review the requirements of your permit and the attached conditions. Please note that you can not change the waste system or the operation of the waste system without prior approval from the Department.

The Natural Resources Conservation Service (NRCS) has notified the Department that an updated waste management plan for this facility is scheduled for completion on June 15, 1996.

As of January 1, 1995, all confined animal facilities in Arkansas may be covered under a General Permit. The General Permit contains conditions similar to the conditions of the enclosed permit. **If you wish to be covered by the General Permit, please complete the enclosed Notice of Intent (NOI) form and return it to the Department.** There will be no additional fee for the issuance of this permit, however, there will continue to be an annual fee.

Also enclosed are Annual Report and Land Application Record forms. Please write the above referenced Permit and CSN number on all documents you submit to the Department. If you have any questions, contact the State Permits Branch at 501-682-0648.

Sincerely,

Chuck Bennett, Chief  
Water Division

Enclosures

cc: Joslyn Burleson, Program Coordinator, State Permits Branch, Water Division  
Lee Newman, District Field Inspector, Pope County  
Raymond E. Wieda, Staff Engineer, State Permits Branch, Water Division  
Mickey Evans, District Conservationist, Natural Resources Conservation Service  
file

## STATEMENT OF BASIS

**THIS IS A STATE WATER PERMIT FOR A NO-DISCHARGE OPERATION UNDER DRAFT PERMIT NUMBER 2745-WR-2 AND CSN (FILE) NUMBER 58-0127. WASTE/WASTEWATER SHALL NOT BE DISCHARGED FROM THIS FACILITY TO THE WATERS OF THE STATE OR ONTO LAND IN ANY MANNER WHICH MAY RESULT IN RUNOFF TO THE WATER OF THE STATE EXCEPT AS SPECIFIED IN THE PERMIT.**

### ISSUING OFFICE:

Arkansas Department of Pollution Control & Ecology  
Water Division, State Permit Branch  
8001 National Drive  
Post Office Box 8913  
Little Rock, Arkansas 72219

ADPC&E EVALUATING ENGINEER: Raymond E. Wieda

### APPLICANT:

Garry & Sandra Ingalsbe  
G-S Farms  
295 Sisco Place  
Dover, AR 72837

(501) 331-4255

### 1. FACILITY INFORMATION

Facility Type and Size: 2000 head finishing facility

Waste Storage/Treatment Component(s): Two Settling Basins and Two Holding Ponds

Freeboard Information: 12 inches of freeboard for settling basins and 24 inches of freeboard for holding ponds

Washwater Source: Recycled

Waste Application Method: Liquid Manure Spreader

Total Available Acreage: 128

Minimum Acreage Required: 112

Dead Animals Will Be Disposed By: Burial

Stream Segment: 3F Nearest Stream: Unnamed tributary to McCoy Creek

Nearest Community: Dover County: Pope

Section: 30 Township: 9 North Range: 19 West

Latitude: 35° 24' 25" Longitude: 93° 03' 28"

Road Location Description: Three miles east of Dover on Highway 164, then north 1/2 mile, then east 1/2 mile.

Facility on north side of road.

Additional Site Information:

List of all Land Application Sites:

<u>Site No.</u>	<u>Owner Name</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Total Available Acres</u>
1	Garry Ingalsbe	30	9 North	19 West	23
2	William Killburn	31	9 North	19 West	105
Total Acres:					128

2. GENERAL REQUIREMENTS

The storage volume required for the waste generated is based on the size of the facility and the amount of waste produced. The waste storage facility must be designed to handle manure, washwater and rainwater minus evaporation over 120 days. This will provide for temporary storage of wastes. The management of the waste storage facility requires that specific freeboard be provided at all times. This freeboard is to provide storage for rainfall from a 25 year - 24 hour design storm event plus the minimum design freeboard of 12 inches.

If the system has a settling basin the freeboard shall be maintained at not less than 12 inches.

Solid material accumulated in all waste storage basins shall be removed as necessary to maintain the basin's design volume. The storage basins liners shall be maintained to prevent leaking or seepage. Any leaks or seeps shall be reported to the Department and appropriately corrected. Any discharge from the waste storage system such as overflow, broken pipe, etc., shall be immediately reported to the Department.

Frequent pump-down of the waste storage facility, especially a total pump-down prior to winter, is necessary in order to reduce the likelihood of overtopping the embankments. Wastes should not be applied to dormant pastures or crops. The storage facility shall not be cut, breached or have a spillway of any type.

Based on estimates of Nitrogen uptake of specific crops in the form of Plant Available Nitrogen (PAN) a minimum number of acres must be available as per the management plan, excluding buffer zones.

As required by Regulation No. 5, the permittee must submit a report to the Department prior to May 30th of each year (Annual Report Form will be provided by the Department). The annual report must include the copy of soil analysis for each field and waste analysis. The waste analysis must include pH (su), Total Nitrogen, Ammonia Nitrogen, Total Potassium (lbs/ac), Total Phosphorus (lbs/ac), and Percent Solid. The soil analysis must include pH(su), Potassium (lbs/ac), Phosphorus (lbs/ac), and Nitrates (lbs/ac).

3. BASIS FOR PERMIT CONDITIONS

The Arkansas Department of Pollution Control & Ecology has made a tentative determination to issue a permit for the no-discharge facility as described in the application and waste management plan. Permit requirements and conditions are based on Regulation No. 5 and regulations pursuant to the Arkansas Water and Air Pollution Control Act (Act 472 of 1949, as amended, Ark. Code Ann. 8-4-101 et. seq.).

4. SOURCES FOR DOCUMENT DEVELOPMENT

- A. Regulation No. 5, Liquid Animal Waste Management Systems, July 1992
- B. Regulation No. 2, Regulation Establishing Water Quality Standards for Surface Waters of the State of Arkansas, as amended, October 1991
- C. Regulation No. 8, Administrative Procedure, July 1984
- D. Regulation No. 9, Regulation for the Fee System for Environmental Permits, August 1991

E. USDA Natural Resources Conservation Service (NRCS) Publications

- (1) Field Office Technical Guide
- (2) Animal Waste Management Field Manual
- (3) Technical Note 716, Lining Requirements
- (4) Technical Note 102 Supplementing Nutrient and Pest Management Practice Standards

F. Act 165 of 1993, Public Notice Requirements

G. ACT 472 of 1949, as amended, Arkansas Water and Air Pollution Control Act

5. PUBLIC NOTICE

A draft permit and draft public notice will be sent to the Applicant and Area Engineer of the USDA NRCS or Consulting Engineer.

The public notice describes the procedures for the formulation of final determinations and shall provide for a public comment period of 30 days. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision. A request for a public hearing shall be in writing and shall state the nature of the issue(s) proposed to be raised in the hearing.

For additional information, contact:

Information Officer  
Arkansas Department of Pollution Control and Ecology  
8001 National Dr.  
P.O. Box 8913  
Little Rock, AR 72219-8913



**PERMIT**  
ISSUED BY  
**STATE OF ARKANSAS**  
**DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY**  
8001 NATIONAL DRIVE, P.O. BOX 8913  
LITTLE ROCK, ARKANSAS 72219-8913



CSN No. 58-0127  
Permit No. 2745-WR-2

Effective Date 02/06/96  
Expiration Date N/A

TO:

Garry & Sandra Ingalsbe  
G-S Farms  
295 Sisco Place  
Dover, AR 72837

This permit is your authority to operate and maintain the waste disposal system in Section 30, Township 9 North, Range 19 West, in Pope County as set forth in your application or transfer form received January 23, 1996. This permit is issued subject to provisions of the Arkansas Water and Air Pollution Control Act (A.C.A. Sec. 8-4-101 et seq.) and the following terms and conditions:

1. The disposal system shall be modified only in accordance with the final plans and specification approved by the Department of Pollution Control and Ecology.
2. The disposal system shall be operated by qualified personnel and maintained in good operating condition at all times.
3. By-passing of the disposal system is prohibited and will result in revocation of this permit and/or other appropriate enforcement action by the Department.
4. There shall be no increase in the volume or strength of the waste being treated by the disposal system except within design limits covered by the plans and specifications approved by the Department.
5. This permit may be revoked or modified whenever it is necessary, in the opinion of the Department, to prevent or abate pollution of any waters of the state.
6. Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance or operation of the disposal system.
7. This Permit is issued in reliance upon the statements and representations made in the application and the plans and specifications, and the Department has no responsibility for the adequacy or proper functioning of the disposal system.
8. This Permit is for the Operation of a 2000 head finishing facility Facility. WASTE/WASTEWATER SHALL NOT BE DISCHARGED FROM THIS OPERATION TO THE WATERS OF THE STATE OR ONTO THE LAND IN ANY MANNER WHICH MAY RESULT IN RUNOFF TO THE WATERS OF THE STATE EXCEPT AS SPECIFIED HEREIN.
9. The permittee shall comply with all applicable permit fee requirements for state permits as described in ADPC&E Regulation No. 9 (Regulation for the Fee System for Environmental Permits). Failure to promptly remit all required fees shall be grounds for the Director to initiate action to terminate this permit under the provisions of ADPC&E Regulation No. 8.
10. PLEASE NOTE ADDITIONAL CONDITIONS ON THE ATTACHED SHEETS.

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

By: \_\_\_\_\_

Chief, Water Division

Date

2/6/96

ADDITIONAL CONDITIONS FOR PERMIT NO. 2745-WR-2 and CSN NO. 58-0127

11. The permittee shall be responsible for assuring that the land owner of any land application site not owned by the permittee and the waste applicator if different from the permittee abides by the conditions of this permit.
12. The permittee shall obtain all required prerequisite and annual training.
13. The Department reserves the right to require additional measures, as necessary, to eliminate public nuisance conditions.
14. The permittee shall take all reasonable and necessary measures to minimize obnoxious and offensive odors.
15. Dead animals shall be disposed as specified in the waste management plan and in a manner approved by the Department.
16. Appropriate waste handling equipment shall be available for effective operation of the system.
17. If the waste system has a settling basin the freeboard on the settling basin shall not be less than 12 inches.
18. Freeboard on the waste storage basin/treatment lagoon shall not be less than the required design freeboard shown in the waste management plan and approved by the Department.
19. Solid material accumulated in the waste storage basins shall be removed as necessary to maintain the basin's design volume.
20. The waste storage basin's liners shall be maintained to prevent leaking or seepage. Any leaks or seeps shall be reported to the Department and appropriately corrected. Any discharge from the waste storage system such as overflow, broken pipe, etc., shall be immediately reported to the Department.
21. The following conditions apply to the land application of waste/wastewater.
  - A. Waste/wastewater shall be evenly distributed over application sites at the rates specified in site management plans.
  - B. Land application of waste/wastewater shall not be undertaken when soil is saturated, frozen, covered with ice or snow, or during precipitation of moisture or when significant rainfall is reasonably anticipated within the next 24 hours.
  - C. Waste/wastewater shall not be applied on slopes with a grade of more than 15% or in any manner that will allow waste to enter the waters of the State or to run onto adjacent property without the written consent of the affected adjacent property owner.
  - D. Surface and subsurface application of waste/wastewater shall not be made within 100 feet of streams including intermittent streams, ponds, lakes, springs, sinkholes, rock outcrops, wells and water supplies; or 300 feet of extraordinary resource waters as defined by the Department's Regulation No. 2. Buffer distances for streams, ponds and lakes shall be measured from the ordinary high water mark.

- E. Application of waste/wastewater shall not be made within 50 feet of property lines or 500 feet of neighboring occupied buildings existing as of the date of the permit. The restrictions regarding property lines or neighboring buildings shall not apply if the adjoining property is also approved as a land application site under a permit issued by the Department or if the adjoining property owner consents in writing.
  - F. Application of waste/wastewater shall not be made in areas where the land application of waste/wastewater is prohibited by Arkansas Department of Health regulations for the protection of public water supplies.
- 22.
- A. Records shall be kept of all waste/wastewater applied. These records shall be kept in sufficient detail to determine application rate. A log shall be kept of all land applied waste/wastewater. The log should include date, weight and/or volume, destination and acreage over which the load was spread. All records and logs shall be kept at the facility and provided to the Department upon request.
  - B. A representative sample of the waste/wastewater to be land applied shall be collected periodically, at a minimum of once each year, and analyzed for the following parameters: pH, Total Nitrogen, Ammonium Nitrogen, Potassium, Phosphorus and percent solids.
  - C. The soils of each field where waste/wastewater has been land applied shall be sampled and analyzed annually prior to the application of wastes for the following parameters: pH, Potassium, Phosphorus and Nitrates.
  - D. Methods and timing of sampling and analysis described in this permit shall be in accordance with the University of Arkansas Cooperative Extension Service guidelines.
  - E. Annual reports for the previous year shall be submitted to the Department prior to May 30 of each year which must include the following: waste/wastewater analyses conducted under condition 22.B.; soils analyses conducted under condition 22.C.; locations, volumes, and nitrogen application rates; methods of application; and types of crops grown on each land application site. Reports must be submitted on forms provided by the Department.
23. New land application sites must be approved by the Department prior to use.
24. Should the facility under this permit cease operations, the permittee shall submit to the Department a closure plan for the liquid waste system storage/treatment structure(s) within sixty (60) days of the final day of operation.