

04-0095

NARRATIVE DESCRIPTION

FOR

Simmons Industries, Inc.

ENGINEER: Doug Hamilton PERMIT NO.: 3349-W DATE: July 3, 1986

Simmons Industries, Inc. proposes to land apply Dissolved Air Flotation (DAF) skimmings produced as a result of pretreatment of poultry processing wastewater. Approximately 4000 gallons of DAF skimmings will be produced per day. These skimmings will be applied on 209 acres of pastureland at a maximum rate of 2508 lbs TS/acre-yr. At this maximum application rate, site life is greater than 100 years based on metals loading.

10 days storage will be provided at the application site. In the event storage is exceeded, skimmings will be dried and processed in the protein recovery facilities of Simmons Industries.

PERMIT

Issued By

DEPARTMENT OF POLLUTION CONTROL & ECOLOGY

8001 National Drive
Little Rock, Arkansas 72209

Permit No. 3349-W

Effective Date 10-19-86

TO: Simmons Industries, Inc.
530 East Main
Siloam Springs, Ar. 72761

Consulting Engineers:

Environmental Engineers, Inc.
307 Edmondson
Springdale, Ar. 72764

This permit is your authority to construct, operate, and maintain the waste disposal system set forth in your application dated February 18, 1986. This permit is issued subject to the provisions of Act 472 of 1949, as amended (sec.82-1901 et seq., Ark. Stats.) and the following terms and conditions:

1. The disposal system shall be constructed in accordance with the final plans and specifications as approved by the Department of Pollution Control & Ecology.
2. This permit shall automatically terminate unless construction of the disposal system has been commenced within 3 months of the date hereof and completed with all reasonable diligence. The Department shall be notified in writing when the disposal system has been completed in order that it may be inspected.
3. The disposal system shall be operated by qualified personnel and maintained in good operating condition at all times.
4. 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.
5. 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. No extension or modification of the disposal system may be made without the issuance of a new permit.
6. 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.
7. 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.
8. 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.
9. PLEASE NOTE ADDITIONAL CONDITIONS ON ATTACHED SHEET.

DEPARTMENT OF POLLUTION CONTROL & ECOLOGY

By Shyllis Burnett
Director

Date 9/19/86

10. Only sludge which is a by-product of the Dissolved Air Flotation process may be distributed and applied.
11. Storage and Transportation: Sludge shall be stored and transported in a manner which prevents spillage, leakage, offensive odors and water pollution. The permittee shall maintain a minimum of 10 days storage capacity. In the event that storage is exceeded, skimmings shall be dried and processed in the protein recovery facilities of Simmons Industries.
12. Separation distances: The following minimum separation distances shall be maintained at application sites.

<u>ITEM</u>	<u>SEPARATION FROM APPLICATION (FEET)</u>
Rock outcrop	25
Public or Private Road	50
Property Line	50
Stream, Lake, Pond	100
Public or Private Water Supply	100
Occupied Building or Residence	300

In the partial plot areas, as described in the waste management plan, sludge shall not be spread within 100 feet of steep slopes, wooded areas or old ponds.

13. Application and use restrictions:
 - a. No sludge shall be applied when the ground is frozen, covered with snow, saturated or when precipitation is occurring or imminent.
 - b. Grazing of beef cattle or other domestic animals shall not be allowed on an area where sludge has been applied for thirty (30) days after application.
 - c. Grazing of dairy cattle shall not be allowed on an area where sludge has been applied for sixty (60) days after application.
 - d. Sludge shall not be applied on slopes greater than 15%.
14. The Permittee shall take all reasonable and necessary measures to minimize obnoxious and offensive odors.
15. Sludge shall be applied at a maximum rate of 2508 lbs total solids/acre-year. Maximum depth of application shall be 0.09 inches with a resting period of 6 months between applications.

Permit # 3349-W
Simmons Industries, Inc.

16. All procedures outlined in the Waste Management Plan, dated June 29, 1985, for Land Application of DAF Skimmings shall be followed.
17. Records shall be kept at the pretreatment facility showing each load of sludge hauled from the plant, date of hauling, date of application and area over which the load was spread. Similar records, as described in the Management Plan, shall be kept of all sludge entering and leaving the inclement weather storage and all sludge processed in the protein recovery facility. These records shall be made available to the Department upon request.
18. The Department reserves the right to require additional measures, as necessary, to eliminate public nuisance conditions.
19. DAF sludge shall be applied only on the Simmons Farm as described in the Waste Management Plan dated June 29, 1985. Any additional location for land application shall require prior approval of a separate or modified Waste Management Plan.



STATE OF ARKANSAS
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

8001 NATIONAL DRIVE, P.O. BOX 9583
LITTLE ROCK, ARKANSAS 72209

CERTIFIED MAIL: P 291 308 986
RETURN RECEIPT REQUESTED

PHONE: (501) 562-7444

September 24, 1986

Simmons Industries, Inc.
530 East Main
Siloam Springs, Arkansas 72761

Dear Mr. Larson:

The enclosed permit (No. 3349-W) is your authority to construct, operate and maintain the waste disposal system as set forth in your application dated February 18, 1986.

After considering the facts and requirements of Act 472 of 1949, as amended (Sec. 82-1901 et seq., Ark. Stats.) and implementing regulations, I have determined that Permit No. 3349-W for the construction, operation and maintenance of a water pollution control system for Simmons Industries, Inc. be issued and effective on the date specified in the permit, unless a Commission review has been properly requested under Section 4, Part III, of Regulation No. 8, Arkansas Department of Pollution Control and Ecology Administrative Procedures, within 30 days after service of this decision.

All persons submitting written comments during the comment period, and all other persons entitled to do so, may request an adjudicatory hearing and Commission review on whether the decision of the Director should be reversed or modified. Such a request shall be in the form and manner required by Section 4, Part III, of Regulation No. 8.

Please give special attention to condition Nos. 9 through 22. We bring this to your attention as the Department has been receiving numerous complaints from existing confined animal operations and strict adherence to these conditions should help minimize problems which might otherwise arise. At the present time, the technology is not adequate to allow an odor free, nonpolluting facility unless the best operational controls and management are practiced.

Sincerely,

A handwritten signature in cursive script that reads "Phyllis Garnett".

Phyllis Garnett, Ph.D.
Director

PG:jam

Enclosure

ARKANSAS WASTEWATER PERMIT SUMMARY SHEET

PERMIT NO. 3349 - W W DATE 8 10 19 EXPIRES _____
YR MO DAY YR MO DAY
 NPDES NO. AR _____ (If Temporary)

CSN NO. 04-0095 SIC NO. _____

STATUS (Check One) New Revised

PERMITTEE

NAME Simmons Industries, Inc
 C/O _____
 ADDRESS 530 EAST MAIN

CONSULTING ENGINEER(S)

ENVIRONMENTAL ENGINEERS, INC
307 Edmondson
Springdale, AR 72764

CITY/STATE Siloam Springs, Arkansas ZIP CODE 72761

TYPE TREATMENT & UNIT SIZES 4000 gallons/day DAF FLOTATION SCUMME WLL
BE LAND APPLIED ON THE 400 ACRE FARM OWNED BY THE SIMMONS FAMILY.
APPROXIMATELY 209 ACRES ARE AVAILABLE FOR LAND APPLICATION. STORAGE IS
PROVIDED FOR 10 DAYS. WHEN STORAGE IS EXCEEDED, SKIMMINGS WILL BE DRIED AND
PROCESSED IN SIMMONS RENDERING FACILITY.
 SIZE AND TYPE OF FACILITY SERVED POULTRY PROCESSING PLANT

CHARACTER OF WASTE S - SANITARY I - INDUSTRIAL A - AGRICULTURAL
 (Check One) B - BRINE W - WATER PLANT BACKWASH O - OTHER

* LOADING RATES/DESIGN FLOW 4000 gallons DAF Skimming produced/day 2508 dry TONS/ann. yr
 NEAREST STREAM _____ 0.09 in per application
 RECEIVING-STREAM UNNAMED TRIBUTARY TO ILLINOIS RIVER

OTHER INFORMATION (Limitations) NO DISCHARGE

ESTIMATED CONSTRUCTION COST \$ _____ .00

TREATMENT FACILITY 1 1

LOCATION SECTION 25 + 36 BASIN ARKANSAS

RANGE 33W SEGMENT 3J

TOWNSHIP IBN

USE CLASS AA A P
(Check One)

COUNTY BENTON

STREAM CLASS WQ EL

CITY _____

DISTRICT _____

PROCESSED BY Doug Hamilton