

AT# 16360



DRY LITTER POULTRY ANIMAL FEEDING
OPERATION GENERAL PERMIT
NOTICE OF INTENT (DLPNOI)



COVERAGE NUMBER: MSG20 0524. For re-coverage, the coverage number must be completed for your specific project or this form will be considered incomplete and returned. The coverage number can be found at the bottom left corner of your previous Certificate of Coverage or in the subject heading of the Letter of Instruction for Re-coverage.

I. GENERAL INFORMATION

RECEIVED

JAN 22 2019

A. CONTACT AND FACILITY INFORMATION

Name of Owner: WALTER ROOK Dept. of Environmental Quality

Facility Name: ROOK MOORE FARMS

Mailing Address:
Street or P.O. Box: 134 ROOK-MOORE DRIVE

City: MENDENHALL State: MS Zip: 39114

Physical Site Address:
Street (can not be a P.O. Box) 116 ROOK-MOORE DRIVE

City: MENDENHALL State: MS Zip: 39114

County: SIMPSON

(For new facilities) Latitude (degrees/min/sec): _____ Longitude: _____

(For new facilities) Nearest named receiving stream: _____

Facility Telephone No. (Include Area Code): 601-847-3316

Facility Fax No. (Include Area Code): N/A

Contact Cell Phone No. (Include Area Code): 601-382-1618

Other Contact Phone Numbers (Include Area Code): 601-847-5297

Contact Email: rookfarms@bellsouth.net

B. ACTIVITY TYPE (Check all that apply)

Existing operation NOT proposing expansion. Number of existing houses: 6

Existing operation of an incinerator(s). Number of existing incinerator(s): 2

New or expanding operation. Number of proposed houses: _____ Number of proposed incinerators: _____

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II. DRY LITTER POULTRY FEEDING OPERATION CHARACTERISTICS

A. TYPE AND AMOUNT OF CHICKENS

For Existing Facilities:

Has the facility changed the number of houses or animal type (ie. broilers or layers)?

No Yes – Identify Changes: _____

For New Facilities:

Check type and indicate amount

Broiler (SIC 0251): _____ Pullet/Breeder (0252): _____

B. CONTRACT INFORMATION

Is this facility a contract operation? No Yes- Integrator Name: SANDERSON FARMS

C. TYPE OF DRY LITTER STORAGE AND CAPACITY

For Existing Facilities:

Has the facility changed the litter storage type or the capacity?

No Yes – Identify Changes: _____

For New Facilities:

List type of dry litter storage and capacity (tons): _____

D. NUTRIENT MANAGEMENT PLAN

If you do not have a current Comprehensive Nutrient Management Plan then one must be submitted, if your CNMP is current then complete the dates below:

Development Date: 7/10/15 Expiration Date: 7/10/20

The comprehensive nutrient management plan (CNMP) identified above expires five years from the date it was developed and an updated nutrient management plan must be submitted to MDEQ prior to its expiration date.

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PHYSICS DEPARTMENT

PHYS 440

PROBLEM SET 1

DATE: _____

NAME: _____

SECTION: _____

1. (10 points)

A particle of mass m moves in a potential $V(x) = \frac{1}{2}kx^2$.

(a) Find the energy levels E_n .

(b) Find the wave function $\psi_0(x)$ for the ground state.

(c) Find the expectation value $\langle x \rangle$ for the ground state.

(d) Find the expectation value $\langle x^2 \rangle$ for the ground state.

(e) Find the expectation value $\langle x^4 \rangle$ for the ground state.

2. (10 points)

A particle of mass m moves in a potential $V(x) = \frac{1}{2}kx^2 + \frac{1}{4}\alpha x^4$.

(a) Find the energy levels E_n to first order in α .

3. (10 points)

A particle of mass m moves in a potential $V(x) = \frac{1}{2}kx^2 + \frac{1}{4}\alpha x^4 + \frac{1}{6}\beta x^6$.

(a) Find the energy levels E_n to first order in α and β .

(b) Find the wave function $\psi_0(x)$ to first order in α and β .

(c) Find the expectation value $\langle x \rangle$ to first order in α and β .

(d) Find the expectation value $\langle x^2 \rangle$ to first order in α and β .

(e) Find the expectation value $\langle x^4 \rangle$ to first order in α and β .

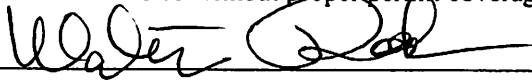
(f) Find the expectation value $\langle x^6 \rangle$ to first order in α and β .

III. CONSTRUCTION AND/OR OPERATION OF A POULTRY MORTALITY INCINERATOR

- No, there is no poultry mortality incineration equipment located at the facility. If at a future date you wish to construct and/or operate poultry mortality incineration equipment, you must submit an updated DLPNOI by completing Sections IA, III and IV. Constructing and operating poultry mortality incineration equipment without a modified coverage or issuance of individual permits is a violation of state law.
- Yes, there is mortality incineration equipment located at the facility. Complete section below:

<u>MORTALITY INCINERATION EQUIPMENT</u>	
For Existing Facilities:	
Has the facility changed the number or type of incinerators, or the fuel type burned?	
<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes – Identify Changes: _____
For New Facilities:	
Manufacturer Name: _____	Model Number: _____
Capacity (tons/hour): _____	Fuel Type: _____

IV. CERTIFICATION

<p>Note: This NOI shall be signed according to Conditions T-17 and T-18 found in ACT 6 of the Dry Litter Poultry Animal Feeding Operations Multimedia General Pollution Control Permit No. MSG20.</p> <ul style="list-style-type: none"> • For a corporation, by a responsible corporate officer. • For a partnership, by a general partner. • For a sole proprietorship, by the proprietor. 	
<p>I understand that my nutrient management plan identified Section II. D. expires five years from the date it was developed and that an updated nutrient management plan must be submitted to MDEQ prior to its expiration date.</p> <p>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 gathered and evaluated 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.</p> <p>I further certify that the project continues as described in the original notice of intent. Also, I certify that I understand when coverage is terminated I am no longer authorized to operate activities identified under this general permit and to do so without proper permit coverage is in violation of state law.</p>	
 _____ <i>Signature of Responsible Official</i>	1-17-2019 _____ <i>Date</i>
WALTER REEK _____ <i>Printed Name</i>	OWNER / OPERATOR _____ <i>Title</i>