

MINUTE ORDER NO. 79-47

Variance - Farmer's Gin, Star City
PAGE 1 OF 1 PAGES

Farmer's Gin, Incorporated of Star City, by letter of August 1, 1979, has requested a variance from the provisions of the Arkansas Air Pollution Control Code.

Variance is hereby granted subject to the following conditions:

1. Proper operation of newly installed equipment, as described in the attached letter.
2. If these improvements fail to produce sufficient improvements in emissions, upon notification by the Department, Farmer's Gin Incorporated shall discontinue use of the burner.
3. The terms of this variance extend only through the 1979 ginning season.

COMMISSIONERS

[Handwritten signatures of commissioners]

[Signature of John A. Mitchell]
CHAIRMAN

SUBMITTED BY John A. Mitchell DATE PASSED 9-28-79

The Farmers Gin Inc.

Phone 628-4585

STAR CITY, ARKANSAS 71667

August 1, 1979

Mr. Jarrell E. Southall
Arkansas Department of Pollution
Control and Ecology
Air Control Division
8001 National Drive
Little Rock, AR 72209

RE: Farmers Gin, Inc.
Variance 1979 Season

Dear Mr. Southall:

Please consider this to be our formal request for permission to operate our existing and newly added air pollution control equipment during the 1979 ginning season, said equipment consisting of the following:

- A. One jug type burner, 54 foot stack, lined with fire bricks, which is in excellent condition.
- B. The above described burner is equipped with a heat shield at the top of the shell with a baffle under the smoke stack to efficiently deflect heat, smoke and other residue tempting to escape directly through the stack opening. A new larger and more effective shield was installed in 1976. A wire screen was also placed over the top of the stack to further insure that only a minimum amount of debris would escape from the stack.
- C. There are also five (5) large diameter cyclones located and operating in a central collection point pulling trash with a fan and depositing said trash through one cyclone into the burner, thereby, effectively relieving top air deposited by the five cyclones, and thus maximizing the efficiency with which the trash can be disposed of.
- D. The incenerator is equipped with a forced air system which enables us to control the underfire air.



The constant speed motor, which in the past has powered the system, was replaced in 1976 by a variable speed motor which makes it possible for us to better control the underfire air.

E. We also employ controlled high velocity overflow air at the perimeter to produce a cyclone turbulence over the pile.

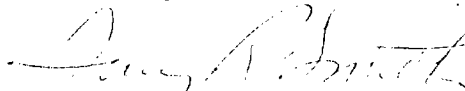
F. In 1978 we installed a National-American's C-30 Textile Waste Baler. This baler is designed especially for the textile industry, and has a self-contained internal dust control system which recycles the dust generated during the compaction cycle. All doors and openings are sealed to prevent dust from escaping and panels are provided to facilitate the removal of dust and debris collected in the baling chamber. This is commonly called mote baling. This means that much less material is put into the burner and will therefore produce less smoke, as the burner will be able to operate with greater heat in the higher intensity. Therefore, we feel our smoke reading for 1978 was well within the standards.

Again this year we feel our ginning time will be greatly reduced because of our 16 bale per hour bale capacity and the drastic cut back in our area in the number of acres planted.

This is the last year in which we anticipate requesting variance as we plan to have a landfill-type operation completed for the 1980 ginning season and will no longer be burning.

We certainly hope that you will give the above information your earnest consideration in determining whether we are entitled to a variance in 1979. I think it is apparent that we are making every effort possible to meet your standards and wish to express our thanks to you and the Commission for its cooperation in past years.

Sincerely,



Terry R. Smith, President
Farmers Gin, Inc.

MFA:cgm
