

PERMITTEE:

Golden Gin and Warehouse, Inc.

AIRS I.D. Number: 1130026

Air Permit Number: 1130026001AC

Emission Units: 001, 002, 003, 004 and 005

Date of Issue: June 18, 1996

Expiration Date: June 18, 2001

County: Santa Rosa

Project: Cotton Ginning Facility

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-296, 62-297 and 62-4. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Construction of an additional cotton gin and cyclone modifications at an existing Cotton Ginning Facility: In the process seed cotton is pneumatically conveyed through dryers, gins and cleaners to remove seeds and trash. Cleaned (lint) cotton is baled as the final product.

The process consists of a raw cotton unloading system, a seed cotton cleaning system, a lint cotton handling system, and a trash/mote system. Particulate emissions from these systems are controlled by cyclones. Natural gas-fired heaters are used to dry the seed cotton during unloading and conveying.

Seed cotton is pneumatically conveyed from the transport vehicles at a maximum rate of 63,000 pounds of seed cotton per hour. Seed cotton may be conveyed through a separator to seed cotton cleaning; or may be conveyed directly from cotton modules. The separator conveying air flows to a cyclone system to collect trash with particulate emissions controlled by cyclones 18 and 19.

Seed cotton is then processed through inclined screen cleaners and stick and burr machines. Heated air is used to dry and convey the seed cotton to the inclined screen cleaners and through the stick and burr machines. Particulate emissions associated with the seed cotton cleaning process are controlled by cyclones 1,2,3,4,6, and 11.

Cleaned dried cotton is fed to a distributor system feeding gin stands 1,2, & 3 which separate the seed, trash, and fibers from the lint cotton. Excess cotton falls into an overflow hopper and is returned to the distributor system. Particulate emissions from the distributor system and gin stands are controlled by cyclones 5 and 12.

Lint cotton fibers from the gin stands are pneumatically conveyed to four parallel lint cleaners where trash is combed from the fibers. Particulate emissions from the lint cleaners are controlled by cyclones 7,8,9,10,13, and 14.

The lint cotton fibers are the conveyed to the condenser which collects the fibers to be baled as cleaned (lint) cotton. Particulate emissions from the condenser are controlled by cyclones 15,16, and 17.

Trash from the lint cleaners is pneumatically conveyed to cyclones at the mote house and, after screening, combined with trash from the gin stands. Mote house emissions are controlled by cyclones 21,22, and 23; and the combined trash cyclone 20. Seeds are conveyed to the seed house where they are stored in bins prior to shipment.

The cyclones have their trash routed to enclosed screw conveyors which empty into a dumpster for disposal.

Construction shall be consistent with the permit application signed March 12, 1996, and additional information submitted by letters dated March 27, 1996 and April 15, 1996.

Located: 400 Commerce Street, approximately 1/2 mile north of State Road 4, in Jay

PERMITTEE:

Golden Gin and Warehouse, Inc.

AIRS I.D. Number: 1130026

Air Permit Number: 1130026001AC

Emission Units: 001, 002, 003, 004 and 005

Date of Issue: June 18, 1996

Expiration Date: June 18, 2001

SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]

Construction

2. The Department shall be notified upon commencement of construction, and within 15 days of completion of construction. Annual status reports shall be provided no later than January 31 of each year reviewing the status of construction during the preceding year up to completion of the project. [FAC Rule 62-4.070]
3. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction. [FAC Rule 62-4.030]
4. Satisfactory ladders, platforms and other safety devices as well as necessary parts shall be provided/made available to facilitate an adequate inspection program. [FAC Rule 62-297.310(6)]

Operation

5. The maximum allowable operating rate is 45 bales of lint cotton (finished product) per hour. This is the operating rate at which compliance with standards shall be demonstrated. [FAC Rule 62-4.070, construction permit application and letter dated April 15, 1996]
6. The maximum hours of operation are 1,800 hours per year. The Permittee shall maintain an operation log available for Department inspection certifying the total hours of operation annually. [FAC Rule 62-4.070, construction permit application and letter dated April 15, 1996]
7. The maximum annual throughput shall not exceed 55,000 bales of lint cotton (finished product) per year. The Permittee shall maintain throughput records certifying total throughput which shall be made available for Department inspection. [FAC Rule 62-4.070, construction permit application and letters dated March 27, 1996 and April 15, 1996]

PERMITTEE:

Golden Gin and Warehouse, Inc.

AIRS I.D. Number: 1130026

Air Permit Number: 1130026001AC

Emission Units: 001, 002, 003, 004 and 005

Date of Issue: June 18, 1996

Expiration Date: June 18, 2001

SPECIFIC CONDITIONS:

Emissions

8. The maximum allowable visible emissions from each emission unit shall not be equal to, or exceed, 20% opacity. [FAC Rule 62-297.320(4)(b)]

9. All fugitive dust generated at this site shall be adequately controlled by existing good housekeeping practices such as protecting the seed and trash conveyors, chutes and bins from the action of the wind, periodic sweeping and/or vacuuming of work areas, and closing doors on windy days as needed. [FAC Rule 62-296.320(4)(c)]

10. No objectionable odors shall be allowed off plant property. If the Department determines the facility is emitting objectionable odors, the Permittee shall submit an odor remediation plan within 45 days of receipt of written notification from the Department. The plan shall include, but not be limited to, dispersion modeling analysis, strategies to reduce odorous chemicals utilization, and modifications of manufacturing production cycles, manufacturing methods and/or plant exhaust systems. [FAC Rule 62-296.320(2)]

Testing

11. Visible emissions tests are required to show compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. [FAC Rule 62-297.310(2)] Tests shall be conducted in accordance with DEP Method 9 for 30 minutes on the one emission point judged to have the highest visible emissions from each of the four emissions units, 001, 002, 003 and 004. The test shall be scheduled within 30 days after construction is completed. The Department shall be notified at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing.

Test reports shall comply with F.A.C. Rule 62-297.310(8), Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 62-297.310(7)(b). Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing.

Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity. If it is impractical to test at capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for

PERMITTEE:

Golden Gin and Warehouse, Inc.

AIRS I.D. Number: 1130026

Air Permit Number: 1130026001AC

Emission Units: 001, 002, 003, 004 and 005

Date of Issue: June 18, 1996

Expiration Date: June 18, 2001

SPECIFIC CONDITIONS:

purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department. [FAC Rule 62-297.310(2)]

Administrative

12. The applicant shall retain a Professional Engineer, registered in the State of Florida, for the inspection of this project. Upon completion the engineer shall inspect for conformity to the permit application and associated documents. An application for an operation permit [Form DEP 62-210.900(1), Long Form or 62-210.900(2), Short Form, as applicable] shall be submitted with the compliance test results and appropriate fee when applicable. These are to be submitted within 75 days of completion of construction. The permittee shall obtain an amended operating permit for this source before the expiration of this construction permit if the permittee desires to continue operation. [FAC Rules 62-4.030, 62-210.300]

13. The emission units covered by this permit are:

001 Raw Cotton Unloading

<u>Cyclone</u>	<u>Diameter</u>	<u>Process</u>
18	46"	Unloading System Suction
19	46"	Unloading System Suction

002 Seed Cotton Cleaning

<u>Cyclone</u>	<u>Diameter</u>	<u>Process</u>
1, 2	46"	1A Cleaner, 1st Stage Seed Cotton Cleaning and Drying
3, 4	46"	1B Cleaner, 1st Stage Seed Cotton Cleaning and Drying
6	62"	2A Cleaner, 2nd Stage Seed Cotton Cleaning and Drying
11	62"	2B Cleaner, 2nd Stage Seed Cotton Cleaning and Drying

003 Lint Cotton Handling

<u>Cyclone</u>	<u>Diameter</u>	<u>Process</u>
5	40"	Ginning System - Gin Stand Trash
12	40"	Ginning System - Gin Stand Overflow
13, 14	60"	Lint Cleaning System - #1 Gin Lint Cleaner
9, 10	60"	Lint Cleaning System - #2 Gin Lint Cleaner
7, 8	60"	Lint Cleaning System - #3 Gin Lint Cleaner
15, 16, 17	58"	Lint Baling System - Battery Condenser

PERMITTEE:

Golden Gin and Warehouse, Inc.

AIRS I.D. Number: 1130026

Air Permit Number: 1130026001AC

Emission Units: 001, 002, 003, 004 and 005

Date of Issue: June 18, 1996

Expiration Date: June 18, 2001

SPECIFIC CONDITIONS:

004 Trash From Lint Cotton Handling, Seed House, Mote House

<u>Cyclone</u>	<u>Diameter</u>	<u>Process</u>
20	36"	Mote System - Mote Trash
21, 22	38"	Mote System - Mote Cleaner
23	44"	Mote System - Mote Cleaner

005 Conveying/Drying Operation Air Heaters

<u>Size</u>	<u>Description</u>
6 MM Btu/hr heat input	Natural gas-fired air heater, unloading
3 MM Btu/hr heat input	Natural gas-fired air heater, cleaning
3 MM Btu/hr heat input	Natural gas-fired air heater, cleaning

Please cite the appropriate number on all test reports and other correspondence specific to a permitted emission unit. [FAC Rule 62-297.310(8)]

14. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, telephone (904) 444-8364 during normal working hours. [FAC Rule 62-4.130]

Expiration Date: June 18, 2001

Issued this [18th] day of [June], 1996.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

_____[SIGNED]_____
ED K. MIDDLESWART, P.E.
Air Program Administrator

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Protection gives notice of its intent to issue a permit, file number 1130026001AC, to Golden Gin and Warehouse, Inc. for additions and modifications to an existing a Cotton Ginning Facility located 400 Commerce Street, approximately 1/2 mile north of State Road 4, in Jay.

In the ginning process seed cotton is pneumatically conveyed through dryers, gins and cleaners to remove seeds and trash. Cleaned (lint) cotton is baled as the final product. The project involves adding another cotton gin and making improvements to the cyclones particulate matter (PM) control systems. Emissions from the proposed project are estimated to be about 60 tons of PM per year. Other emissions are minimal.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within 14 days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except for legal holidays, at the Northwest District, 160 Governmental Center, Pensacola, Florida.

MEMORANDUM

TO : Ed K. Middleswart, P.E.
FROM : Andy Allen, Armando I. Sarasua
DATE : May 7, 2012
SUBJECT : Evaluation Summary for Golden Gin and Warehouse, Inc., Santa Rosa County
Cotton Ginning Facility, ID No. 1130026, EMU 001, 002, 003, 004 and 005

We recommend issuing notice of intent-to-issue a construction permit to Golden Gin and Warehouse, Inc. to add a cotton gin and make cyclone system modifications to their Cotton Ginning Facility. They are looking to speed production by adding the third gin and improve operational reliability by modifying the cyclone systems.

Process Description The seed cotton is pneumatically conveyed through dryers, gins and cleaners to remove seeds and trash. Cleaned (lint) cotton is baled as the final product.

Pollution Control Equipment Cyclones control particulate matter from the different process steps. The use of cyclones is standard for this operation type because of the volumes of air handled and the nature of the emissions. Emissions of PM, SO₂ and NO_x from the three small (6, 3 and 3 MMBtu/hr) heaters/dryers are controlled by burning natural gas as fuel.

Environmental Impact Particulate emissions from all the cotton handling steps is estimated to be 61.6 T PM/yr. Emissions from the three small, natural gas-fired air heaters are estimated to be insignificant (15 lb SO₂ /yr, 3,500 lb NO_x /yr and 70 lb VOC /yr)

Applicable Rules & Regulations This source is regulated in accordance with FAC Rule 62-297.320(4)(b), visible emissions from each emission unit shall not be equal to, or exceed, 20% opacity; FAC Rule 62-296.320(2) no objectionable odors allowed; and FAC Rule 62-296.320(4)(c)] reasonable control measures for fugitive dust.

Compliance Monitoring Annual VE testing for 30 minutes on the one emission point judged to have the highest visible emissions from each of the four emissions units, 001, 002, 003 and 004. These are the cyclone banks for the cotton handling systems. No VE testing is required for the three small gas-fired air heaters, emissions unit 005, because of their small size and use of clean fuel.

Compliance History Previous history of undersized/poorly maintained cyclones resulted in complaints from neighbors of fugitive emissions and objectionable odors (fermenting cotton). Construction modifications done in 1993 rectified these problems. Last VE tests done in May of 1995 showed 0% opacity.

AIS:asc