Item Barcode: **50435617**

Air Permit

AIR PA 074

AIR PA #: FG0005R 041466

File Type: Permits

Volume: 001

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NSR Permit No. #1466

2007 - 2008 Data only

File is full. See next file

From RFCAIR12
To SHICKMAN@tceq state tx us
Date 5/24/2007 10 30 45 AM
Subject Re Site Review/Request for Comments for Project Number 129253 (Thank you for your email We will review your message and respond accordingly Please call 713-767)

Thank you for your email We will review your message and respond accordingly Please call 713-767-3700 if you need immediate assistance

Air PA | FG 0005R | RN 102600129 | 41466 | PA

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 10, 2008

91 7108 2133 3935 2305 6825

MR JERRY REYNOLDS
MANAGER
BEASLEY FARMERS GIN COMPANY
PO BOX 113
BEASLEY TX 77417-0113

Re Permit Renewal Notification

Dear Mr Reynolds

Section 382 055 of the Texas Clean Air Act, Texas Health and Safety Code, Chapter 382, and Title 30 Texas Administrative Code (30 TAC) § 116 315(b), require all permits issued by the Texas Commission on Environmental Quality to be reviewed for renewal every 15 or 10 years depending if it was issued before or after December 1, 1991 This letter is to notify you that the referenced permit is scheduled for review Please apply for review of your permit renewal no later than April 8, 2009 using the application form available on the web address below Failure to submit your application by this date will result in automatic expiration of this permit

Company Name - Beasley Farmers Gin Company
Customer Reference No - CN600541130
Regulated Entity No - RN102600129
Permit No - 41466
Permit Expiration Date - October 5, 2009

Please furnish all information as indicated in the forms and instructions You may download the required forms referenced below at

www tceq state tx us/comm_exec/forms_pubs/search_forms html

General Application for Air Permit Renewals (Form No 10254)
TCEQ Core Data (Form No 10400)
Table 30R - Estimated Emissions and Fee Certification for Permit Renewals (Form No 20065)

Re Permit Renewal Notification

A fee based on the schedule indicated in 30 TAC § 116 313 must be submitted with this application Upon receipt of your application, a determination will be made based on the number and type of emission points, emission rate and type of air contaminant, as to the need for you to furnish atmospheric dispersion modeling to determine the impact of emissions on the surrounding area After receipt of a completed application, you will be notified of the requirements and procedures for public notification

Please note that there is now the possibility of an abbreviated application and review should your facility/permit qualify See Section VII of the application form for details

Any application submitted by a person/entity who is delinquent on a fee and/or penalty will not be declared administratively complete until the fees/penalties are paid and/or current Similarly, final action will be withheld by the agency on an application if it is discovered after the application is considered administratively complete that the owner/entity who submitted the application is delinquent on fees and/or penalties until such time as the fees/penalties are paid and/or current You may visit the agency web site for additional information at www tceq state tx us/agency/delin/index html

If we may be of any assistance to you in this matter, you may contact the staff of the Air Permits Initial Review Team or you may contact me at (512) 239-1250

Sincerely,

Donald D Nelon, Team Leader
Air Permits Initial Review Team
Air Permits Division

DDN/ct

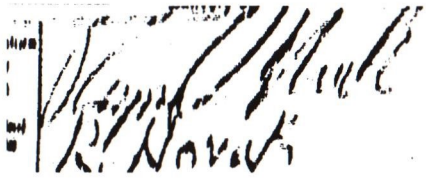
cc TCEQ Regional Air Quality Manager, Region 12
TCEQ Air Permits Initial Review Team (MC-161)
TCEQ File Room (MC-198)

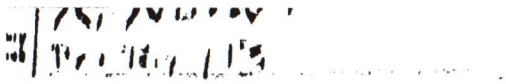
[redacted]

Date: 10/14/2008

carolyn thomas:

The following is in response to your 10/14/2008 request for delivery information on your Certified Mail(TM) item number 7108 2133 3935 2305 6825. The delivery record shows that this item was delivered on 09/16/2008 at 10:31 AM in BEASLEY, TX 77417. The scanned image of the recipient information is provided below.

Signature of Recipient: 

Address of Recipient: 

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Sincerely,

United States Postal Service

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 22, 2007

Mr Jerry Reynolds
Manager
Beasley Farmers Gin Company
P O Box 113
Beasley, Texas 77417

Re Permit Amendment
Permit Number 41466
Cotton Gin
Beasley, Fort Bend County
Regulated Entity Number RN102600129
Customer Reference Number CN600541130
Account Number FG-0005-R

Dear Mr Reynolds

This is in response to your letter received May 10, 2007 and your Form PI-1 (General Application for Air Preconstruction Permits and Amendments) concerning the proposed amendment to Permit Number 41466 We understand that you propose to eliminate the suction system including the suction fan, move the six-foot machinery to have a split system in the second stage, install a new eight-foot system in the first stage, streamline operations through the reduction of emissions points, and increase production throughputs Additionally, the four remaining sources associated with precleaning and mote handling will all be controlled with new 1D3D cyclones Also, this will acknowledge that your application for the above-referenced amendment is technically complete as of June 1, 2007

As indicated in Title 30 Texas Administrative Code § 116 116(b) [30 TAC § 116 116(b)], and based on our review, Permit Number 41466 is hereby amended This information will be incorporated into the existing permit file Enclosed are revised special conditions pages and a maximum allowable emission rates table to replace those currently attached to your permit We appreciate your careful review of the special conditions of the permit and assuring that all requirements are consistently met

This amendment will be automatically void upon the occurrence of any of the following, as indicated in 30 TAC § 116 120(a)

1 Failure to begin construction of the changes authorized by this amendment within 18 months from the date of this authorization

2 Discontinuance of construction of the changes authorized by this amendment for a period of 18 consecutive months or more

3 Failure to complete the changes authorized by this amendment within a reasonable time

Upon request, the Texas Commission on Environmental Quality (TCEQ) Executive Director may grant extensions as allowed in 30 TAC § 116 120(b)

Re Permit Number 41466

You may file a **motion to overturn** with the Chief Clerk A motion to overturn is a request for the commission to review the TCEQ Executive Director's approval of the application Any motion must explain why the commission should review the TCEQ Executive Director's action

A motion to overturn must be received by the Chief Clerk within 23 days after the date of this letter An original and 11 copies of a motion must be filed with the Chief Clerk in person or by mail The Chief Clerk's mailing address is Office of the Chief Clerk (MC-105), Texas Commission on Environmental Quality, P O Box 13087, Austin, Texas 78711-3087 On the same day the motion is transmitted to the Chief Clerk, please provide copies to Mr Robert Martinez, Director, Environmental Law Division (MC-173), and Mr Blas J Coy, Jr , Public Interest Counsel (MC-103), both at the same TCEQ address above If a motion is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled

Thank you for your cooperation and interest in air pollution control If you need further information or have any questions, please contact Mr Joel Stanford at (512) 239-0270 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P O Box 13087, Austin, Texas 78711-3087

This action is taken under authority delegated by the Executive Director of the TCEQ

Sincerely,

Richard A Hyde, P E , Director
Air Permits Division
Office of Permitting, Remediation, and Registration
Texas Commission on Environmental Quality

RAH/JES/ssl

Enclosures

cc Air Section Manager, Region 12 - Houston

Project Number 129253

SPECIAL CONDITIONS

Permit Number 41466

EMISSION LIMITATIONS

1 Total emissions from these facilities shall not exceed the values stated on the attached table entitled "Emission Sources - Maximum Allowable Emission Rates "

OPERATIONAL AND WORK PRACTICE REPRESENTATIONS

2 Hourly emission rates for the cotton gin and trash handling are based on and the facilities are limited to an hourly throughput of 30 bales Annual emission rates are based on 24,000 bales of stripper cotton as well as the following required controls **(06/07)**

Equipment/Fan Exhausts	Controls
Battery condenser	Small mesh screens
2nd lint cleaner condensers	Small mesh screens
All other fan exhausts	High efficiency cyclones

3 Variations of the annual throughputs of stripper, burr extracted, and picker cotton may exceed 24,000 bales per year provided that the total emissions of particulate matter from the cotton gin do not exceed 18 22 tons per year The following equation shall be used to determine compliance with allowable emission rates listed on the maximum allowable emission rates table **(06/07)**

Stripper cotton = bales/year x 0 000757 =
Burr Extracted = bales/year x 0 000486 =
Picker cotton = bales/year x 0 000216 =
Total = _____ bales/year Total = _____ tons/year

4 As represented in the permit application, the following shall occur

A To minimize fugitive emissions, the trash hopper dump area shall be enclosed while loading trash trucks

B Gin plant roads, parking areas, and other traffic areas shall be sprinkled with water, and/or be treated with effective dust suppressant(s), and/or be paved with a cohesive hard surface and cleaned as necessary to maintain compliance with all Texas Commission on Environmental Quality (TCEQ) rules and regulations

C Emissions of lint and cotton trash shall be minimized by proper maintenance of all buildings and gin equipment Any accumulations of lint, cotton trash, and/or cotton burrs on the gin property shall be cleaned up and removed from the gin property on a daily basis **(11/05)**

RECORDKEEPING REQUIREMENTS

5 Records of annual throughputs for each type of cotton processed shall be maintained at this facility and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction to demonstrate compliance with Special Condition No 3 These records shall be retained for a rolling 24-month period **(06/07)**

Dated June 22, 2007

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 41466

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit

AIR CONTAMINANTS DATA

Emission Point No (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	Cotton Gin	PM	45 50	18 22
		PM_{10}	22 80	9 14
		VOC	0 08	0 05
		NO_x	1 40	0 84
		CO	1 18	0 71
		SO_2	0 01	0 01
	Trash Handling	PM	2 25	0 90
		PM_{10}	1 13	0 45

(1) Emission point identification - either specific equipment designation or emission point number from plot plan
(2) Specific point source name For fugitive sources use area name or fugitive source name
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101 1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide

* Refer to Special Condition Nos 2 and 3 for throughput limitations, basis of emission rates, and variations in annual throughputs

Dated June 22, 2007

Proper Storage of Cotton Gin Trash

Introduction

The cotton ginning industry receives seed cotton from individual farmers This seed cotton is processed into four distinct products The first is a cotton bale, which weighs approximately 500 pounds The title to the cotton bale is retained by the farmer The second product is cottonseed This product is retained and sold by the ginner For each bale of cotton approximately 650 pounds of cottonseed is produced The third product is mote This material is essentially short cotton fiber and immature seed Typically, this product is baled in a second baling press, and sold by the gin About 20 pounds of mote is produced per bale of cotton

The fourth product is cotton gin trash If the cotton is harvested with a cotton picker, there will be about 150 pounds of trash produced for each bale of cotton This trash will primarily consist of leaf, small stems, soil particles, and lint particles If the cotton is harvested with a cotton stripper, the quantity of material produced per bale of seed cotton can range from 400 to 1,000 pounds of material This material is similar to the picker trash described above, except that this material will also contain the cotton burr, which is essentially the bract of the cotton boll Most of the cotton in Texas is harvested with a cotton stripper The weight difference between the types of trash is due to the burrs

The cotton trash can be used for a variety of purposes Both picker and stripper trash can be used to produce compost In addition, the stripper trash can be used as a supplement to cattle feed, as the burrs, stems and leaf are a good source of roughage for feed This material is also useful for bedding in the dairy industry In smaller quantities, this material is being used to produce wood products and fuel for wood burning stoves Markets are beginning to emerge for stripper trash to be used as a fuel source for industrial boilers and burners, due to the escalating price of fossil fuels

Cotton gins typically operate for three to five months in a given year Most of the markets for the trash demand the material be available throughout the year, or at least for the majority of the year For this reason, a portion of the stripper trash must be put up for storage during the processing season This material is then shipped throughout the year

Note This document discusses the proper practices for storing gin trash which is being kept dry for future use These guidelines are not designed to assist operators who are storing gin trash to be composted

Proper practices for storing cotton gin trash

Storage of cotton gin trash can be grouped into two categories Some cotton gins store their trash on the gin site In this case, the methods of storage and conditions for proper storage are a part of the TCEQ air permit which regulates the operation of the gin plant, as well as the work practices and operational controls associated with the entire site upon which the gin is located In most cases, on site storage is a part of a permanent installation, such as a burr stockpiling system, or a system that uses a high pressure blower to stockpile the burrs

Proper Storage of Cotton Gin Trash

In other cases, the burrs are stored off-site Typically, the gin will either own or lease a parcel of land which is not contiguous with the gin site itself The remainder of this document will address suggested practices and procedures for proper storage at locations which are not regulated under a TCEQ permit or other authorization

Site considerations

Proper site selection is important when storing cotton gin trash Typically, material is brought to the site on a 24 hour/day basis It is important that the route to the site be accessible by truck in all types of weather When reviewing the route to the site, be sure to evaluate whether there are residences or business that might be impacted by the operation of the trucks servicing the site

The site should be selected so that if there is a product fire on site, the impacts off site will be minimal Surrounding land use and distances to nearest residences and businesses should be considered when selecting site Efforts should be taken to site the burr storage area so that any impacts to residential or commercial surrounding areas from the storage or processing of the burrs will be minimized

Good practices for material collection

When stockpiling cotton gin trash, it is important to do so in a manner that will protect the material to be stored In addition, it is important to store them in a manner which will help maximize the control over any possible product fire

When the trash stockpiles are being built, they should be formed in a long wind-row These wind-rows should be built not more than 25' high The corresponding width of the wind-row base will be about 50' The length of this wind row should not exceed 500' A buffer of at least 15' should surround each wind row This buffer will allow access to individual rows by loader or truck, and will also help to isolate each pile in the event of a product fire

Management practices for material management

Personnel involved in shipping the cotton gin trash from the gin to the storage location should be properly trained to stay in constant communication with the ginners on each shift If a process fire occurs in the gin plant, the cotton gin trash produced during this time period should be isolated This material should never be taken to the main storage location Communication is critical in this area If there is a process fire, that information must be immediately communicated to the personnel involved in shipping cotton gin trash

Personnel should also be aware of the maximum size for each stockpile, and the buffer size needed around each pile If the stockpiles are improperly sited or improperly built, it could be very costly to go back and re-build these stockpiles

Permit Amendment
Review Analysis & Technical Review

Company	**Beasley Farmers Gin Company**	Permit No	**41466**
City	**Beasley**	Record No	**129253**
County	**Fort Bend**	Account No	**FG-0005-R**
Project Type	**CAMD**	Regulated Entity No	**RN102600129**
Project Reviewer	**Mr Joel Stanford**	Customer Reference No	**CN600541130**
Facility Name	**Cotton Gin**		

Authorization Checklist

Will a new policy/precedent be established? (ED signature required if yes)	**No**
Is a state or local official opposed to the permit?(ED signature required if yes)	**No**
Is waste or tire derived fuel involved? (ED signature required if yes)	**No**
Are waste management facilities involved?(ED signature required if yes)	**No**
Will action on this application be posted on the Executive Director's agenda?	**No**
Have any changes to the application or subsequent proposals been required to increase protection of public health and the environment during the review?	**No**

Project Overview

Beasley Farmers Gin Co, Inc has requested an amendment of Permit 41466 The amendment is requesting the elimination of the suction system including the suction fan, moving the 6' machinery to have a split system in the second stage, installing a new 8' system in the first stage, the streamlining of operations through the reduction of emissions points, and an increase in production throughputs Additionally, the four remaining sources associated with precleaning and mote handling will all be controlled with new 1D3D cyclones

Total annual emission rates and respective changes will be as follows

Currently Permitted (tpy)		Permit Amendment (tpy)		Difference	(tpy)
PM	**14 37**	**PM**	**19 12**	**PM**	**4 75 (+)**
PM_{10}	**7 22**	**PM_{10}**	**9 59**	**PM_{10}**	**2 37 (+)**
VOC	**0 05**	**VOC**	**0 05**	**VOC**	**No change**
NO_x	**0 95**	**NO_x**	**0 84**	**NO_x**	**0 11 (-)**
CO	**0 79**	**CO**	**0 71**	**CO**	**0 08 (-)**
SO_2	**0 01**	**SO_2**	**0 01**	**SO_2**	**No change**

Public Notice Information

§39 403 Public notification required? **No**

If no, give reason **Emissions increase less than de-minimis**

Emission Controls

§116 111(a)(2)(G) Is the facility expected to perform as represented in the application? **Yes**

§116 140 Permit Fee **$ 900 00** Fee certification provided? **Yes**

Sampling and Testing

§116 111(a)(2)(A)(i) Are the emissions expected to comply with all TCEQ air quality rules and regulations, and the intent of the Texas Clean Air Act? **Yes**

§116 111(a)(2)(B) Will emissions be measured? **Yes**

Method **Record Keeping**

Federal Program Applicability

§116 111(a)(2)(D)	Compliance with applicable NSPS expected?	**N/A**
§116 111(a)(2)(E)	Compliance with applicable NESHAP expected?	**N/A**
§116 111(a)(2)(F)	Compliance with applicable MACT expected?	**N/A**
§116 111(a)(2)(H)	Is nonattainment review required?	**No**

		A	Is the site located in a nonattainment area?	**No**
116 111(a)(2)(I)	Is PSD applicable?			**No**
		A	Is the site a federal major source (100/250 tons/yr)?	**No**

Mass Cap and Trade Applicability

§116 111(a)(2)(L)	Is Mass Cap and Trade applicable?	**No**
	Did the proposed facility, group of facilities, or account obtain allowances to operate?	**N/A**

Title V Applicability

§122 10(13)(A)	Is the site a major source under FCAA Section 112(b)?		**No**
	(i)	The site emits 10 tons or more of any single HAP?	**No**
	(ii)	The site emits 25 tons or more of a combination	**No**
§122 10(13)(C)	Does the site emit 100 tons or more of any air pollutant?		**No**
§122 10(13)(D)	Is the site a non-attainment major source?		**No**

Request for Comments

Region 12 Reviewed by **Mona Hazur**

Process Description

Beasley Farmers Gin Company receives 95% of its seed cotton in modules Upon approval of this amendment, the gin will have a maximum hourly baling rate of 30 bales per hour and will be limited to 24,000 bales per year Emission rates are based on factors for stripper cotton since the processing of stripper cotton results in the highest emissions The permit authorizes the processing of burr extracted and picker cotton if necessary Motes will be baled at this facility There are four natural gas-fired burners at this facility with a combined rating of 14 MMBtu/hr

Sources, Controls, Source Reduction and BACT [§116 111(a)(2)(C)]

Emissions from this facility will be generated from the cotton gin and trash handling The natural gas-fired burners generate minor products of combustion The battery condenser and 2nd lint cleaner condensers are controlled by small-mesh screens All other exhausts are controlled by high efficiency cyclones This facility meets and in some cases exceeds current baseline BACT requirements as adopted on May 23, 1993 by the 9-member Texas Air Control Board Under these guidelines, baseline BACT has been defined as the use of small-mesh screens on all condenser exhausts and properly-sized, high efficiency cyclones on all fan exhausts

Impacts Evaluation

1 Was modeling done? **No** Type? **N/A**
Comment **Seasonal Minor Source**

2 Will GLC of any air contaminant cause violation of NAAQS? **No**

3 Is this a sensitive location with respect to nuisance? **Moderate**

4 Is the site within 3000 feet of any school? **Yes**

5 Toxics Evaluation **There are no toxic emissions associated with this facility This facility emits particulate matter and minor products of combustion from the natural gas-fired burners The proposed controls at this facility meet baseline BACT, and no adverse impacts are expected to occur if the facility is operated in accordance with the permit**

According to the company, the previously submitted land use map describing structures within a 3,000 ft radius is still accurate According to the site review submitted with the initial permit, the area surrounding the facility is residential and there is a school approximately 1320 ft away from the facility Also, the nearest receptor is a residence located 200 ft southeast of the facility
Special conditions address housekeeping procedures which concern daily cleaning of any accumulations of lint and cotton trash, the proper maintenance of all buildings and gin equipment, and the maintenance of roads and parking areas to minimize road dust emissions

Miscellaneous

1	Is applicant in agreement with special conditions?	**Yes, 06/04/2007**
	Company representative?	**Kelley Green**
2	Other permit(s) affected by this action?	**No**

6/04/07
Project Reviewer Date

6/21/07
Team Leader/Section Manager/Backup Date

Texas Commission on Environmental Quality
Investigation Report
Beasley Farmers Gin Company
CN600541130

BEASLEY FARMERS GIN COMPA
RN102600129

Investigation # 564152 **Incident #**

Investigator MONA HAZUR **Site Classification** MIN 0-15 FINS

Conducted 06/19/2007 -- 06/19/2007 **SIC Code** 0724 **NAIC Code** 115111

Program(s) AIR NEW SOURCE PERMITS

Investigation Type Site Assessment File Review **Location** 115 SOUTH 2ND STREET

Additional ID(s) 41466

Address 115 S 2ND ST, BEASLEY, TX 77417 **Activity Type** REGION 12 - HOUSTON
PMPRCH116 - Chapter 116 Permit Provision Review

Principal(s)

Role	Name
RESPONDENT	BEASLEY FARMERS GIN COMPANY

Contact(s)

Role	Title	Name	Phone	
Regulated Entity Contact	TECHNICAL CONTACT	MR KELLEY GREEN	Work	(512) 476-8388

Other Staff Member(s)

Role	Name
Supervisor	CATHERINE SHERMAN

RECEIVED
OCT 10 2007
TCEQ
CENTRAL FILE ROOM

Associated Check List

Checklist Name	Unit Name
AIR GENERIC INVESTIGATION (10 ITEMS)	Beasley Cotton Gin

Investigation Comments

INTRODUCTION / INVESTIGATION SUMMARY
Introduction
On May 31, 2007, Texas Commission on Environmental Quality (TCEQ) Houston Regional Office received a Request for Comments (RFC) from the TCEQ Air Permits Division (APD) for Permit # 41466 for Beasley Farmers Gin Company

Daily Narrative
On June 19, 2007, Ms Mona Hazur of the TCEQ conducted an in-house review of the proposed draft alteration for Permit # 41466

The following was sent to the permit writer via e-mail

Request for Comments -- Draft Conditions
TCEQ -- Air Permits Division
Phone (512)239-1250
Fax (512)239-1300
Mailing Address TCEQ, Air Permits, P O Box 13087 Austin, TX 78711-3087

TO Region 12 City Beasley County Fort Bend Account No FG-0005-R
Submitted by Mr Joel Stanford E-Mail ID jstanfor Phone (512) 239-0270
Date Request Submitted May 31, 2007
Comments Deadline June 21, 2007
For deadlines less than 21 days Section Manager approval is required
Date Application Received by TCEQ in Austin May 10, 2007
REGIONAL OFFICES Please return comments ASAP, but no later than the comments deadline which is 21 days from the submittal date Permit disposition will proceed after comments are received or after the comments deadline has passed Permit Reviewer may request faster response if needed

LOCAL PROGRAMS The company below has submitted an application for the project referenced below in accordance with regulations of the TCEQ Please return comments ASAP but no later than the comments deadline which is 21 days from the submittal date Permit disposition will proceed after comments are received or after the comments deadline has passed Permit Reviewer may request faster response if needed If no comments are received within this time frame, we will assume you have no comments or objections to the project as proposed Please return a complete copy of the form (both sides) with your comments

PROJECT TYPE Amendment
PROJECT NO 129253 REGULATED ENTITY NO RN102600129
PERMIT NO 41466
COMPANY NAME Beasley Farmers Gin Company CUSTOMER REFERENCE NO CN600541130
PLANT NAME Beasley Farmers Gin Company
LOCATION 115 south 2nd street
UNIT NAME Cotton Gin COUNTY Fort Bend
TECHNICAL CONTACT Kelley Green PHONE (512) 476-8388
OPERATING SCHEDULE Continuous?
Hours/Day Days/Week Weeks/Year Night Operation?
Engineer's Comments
Attachments MAERT, Draft Conditions

Request for Comments -- Draft Permit
RESPONSE

TO Mr Joel Stanford, Austin
FROM Region 12 City Beasley County Fort Bend Account No FG-0005-R
Copy of Application Received by your Office X YES NO Date Received May 31, 2007

COMPANY NAME Beasley Farmers Gin Company
PERMIT NO 41466
REGULATED ENTITY NO RN102600129 PROJECT NO 129253
Investigator's/Compliance Officer's Name (Please Print) Mona Hazur
Phone 713-767-3748
Comments Deadline (from pg 1) June 21, 2007
Date of Last Site Visit N/A

COMMENTS ON CONDITIONS (Please mark up draft special conditions with your comments Please address applicability and enforceability List any additional conditions below)

Compliance Determination Conditions No Comments

Operational Limitations No Comments

GENERAL COMMENTS No Comments

PERMIT ISSUANCE
If you have any objections to issuance, please note them here
No Objections

Exit Interview
Exit interviews with the regulated entity are not conducted during the permit review process

GENERAL FACILITY AND PROCESS INFORMATION
Process Description
Beasley Farmers Gin Company is a cotton ginning facility that strips and processes cotton for wholesale

BACKGROUND
Current Enforcement Actions
Current enforcement actions are not typically reviewed by regional staff during the permit review process Any impact enforcement actions have on the facility's permit will be considered by the Air Permits Division

Agreed Orders, Court Orders, and Other Compliance Agreements
Agreed orders, court orders, and compliance agreements are not typically reviewed by regional staff during the permit review process Any impact these may have on the facility's permit will be considered by the Air Permits Division

Complaints
Previous complaints are not typically reviewed by regional staff during the permit review process Any impact complaints have on the facility's permit will be considered by the Air Permits Division

Prior Enforcement Issues
Prior enforcement actions are not typically reviewed by regional staff during the permit review process Any impact prior enforcement actions have on the facility's permit will be considered by the Air Permits Division

ADDITIONAL INFORMATION / RECOMMENDATIONS
Conclusions and Recommendations
Comments from regional staff regarding applicability and enforceability are included in the daily narrative subsection above

Areas of Concern
A compliance evaluation for the regulated entity was not performed during the course of this investigation, therefore, no specific areas of concern were noted

List of Report Attachments
1 Copy of Request for Comments, Permit Special Conditions and or MAER table sent from APD

No Violations Associated to this Investigation

Signed _____ **Date** 07/02/07
Environmental Investigator

Signed _____ **Date** _____
Supervisor

Attachments (in order of final report submittal)

___Enforcement Action Request (EAR)

___Letter to Facility (specify type) _____

Investigation Report

___Sample Analysis Results

___Manifests

___NOR

___Maps, Plans, Sketches

___Photographs

___Correspondence from the facility

_V_Other (specify)

Az See Attachment List

_____

Joel Stanford - RE Draft CND and MRT for Beasley Farmers Gin Company (AMEND)

From "Kelley Green" <kelley@tcga org>
To "'Joel Stanford'" <JStanfor@tceq state tx us>
Date 6/4/2007 2 25 PM
Subject RE Draft CND and MRT for Beasley Farmers Gin Company (AMEND)

We have reviewed your draft conditions and MAERT We find these acceptable as written Thank you for your help on this project

J Kelley Green

Texas Cotton Ginners' Association

512-615-1102 - Phone

512-476-8215 - Fax

kelley@tcga org

From: Joel Stanford [mailto JStanfor@tceq state tx us]
Sent Thursday, May 31, 2007 11 13 AM
To kelley@tcga org
Subject Draft CND and MRT for Beasley Farmers Gin Company (AMEND)

Hi Kelley,
Attached are the draft CND/MRT for Beasley's amendment application Please let me know if these are acceptable

My apologies for the lack of a draft watermark, our new version of WordPerfect is having difficulties inserting it

Thanks,

Joel Stanford
Air Permits Division
Texas Commission on Environmental Quality
Phone (512) 239-0270
Fax (512) 239-1400

Beasley Farmers Gin Co., Inc.
P.O. Box 113
Beasley, TX 77417

May 1, 2007

✓ Ms Toni Oyler (MC-161)
TCEQ Office of Air Quality
P O Box 13087
Austin, TX 78711-3087

Re RN 102600129
Permit No 41466

Dear Ms Oyler

We are changing our precleaning system this year We are moving the 6' machinery so that we have a split system in the second stage, an installing a new 8' system in the first stage We are also eliminating our suction system, including the suction fan, and three other emission points

The end result of this change is that we will go through one less step of processing, and will eliminate several emission points, significantly streamlining our operation We will now only have four emission points associated with precleaning and mote handling, and all four of these points will be controlled with the new design of the 1D3D cyclone We are hopeful that this change will increase our hourly processing rate, and we are requesting an increase in our annual permit limitation as well

I hope this information is sufficient for your purposes If you have any questions regarding this information, please contact me at (979) 387-2215, or Kelley Green at 615-1102 Thank you for your attention to this application

Sincerely,

Jerry Reynolds, Manager

cc Ms Linda Vasse
Air Section Manager
TCEQ Region 12
5425 Polk Ave , Suite H
Houston, TX 77023-1452

Texas Commission on Environmental Quality
Form PI-1 General Application for Air Preconstruction Permits and Amendments

Update The TCEQ **requires** that a Core Data Form be submitted on all incoming applications unless a Regulated Entity and Customer Reference Number has been issued by the TCEQ and no core data information has changed For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ Web site at www tceq state tx us/permitting/central_registry/guidance html

I	**APPLICANT INFORMATION**		
A	Company or Other Legal Name Beasley Farmers Gin Company		
	Texas Secretary of State Charter/Registration Number (If Applicable) 1-74-0504077-9		
B	Company Official Contact Name & Title Jerry Reynolds, Manager		
	Mailing Address P O Box 113		
	City Beasley	State TX	Zip Code 77417
	Telephone 979-387-2215	Fax 979-387-3343	E-mail
C	Technical Contact Name and Title Kelley Green Director of Technical Services		
	Company Texas Cotton Ginners' Association		
	Mailing Address 408 West 14th Street		
	City Austin	State TX	Zip Code 78701
	Telephone 512-476-8388	Fax 512-476-8215	E-mail kelley@tcga org
D	Facility Location Information		
	Street Address 115 South 2nd Street		
	If no street address, provide clear driving directions to the site in writing		
	City Beasley	County Fort Bend	Zip Code 77417
E	TCEQ Account Identification Number (leave blank if new site or facility) FG-0005-R		
F	Is a TCEQ Core Data Form (TCEQ Form #10400) attached?		☑ YES ☐ NO
G	TCEQ Customer Reference Number *(leave blank if unknown)* CN600541130		
H	TCEQ Regulated Entity Number *(leave blank if unknown)* RN102600129		
II	**IMPORTANT GENERAL INFORMATION**		
A	Is confidential information submitted with this application?		☐ YES ☑ NO
	If "YES", is each "confidential" page marked "CONFIDENTIAL" in large red letters?		☐ YES ☐ NO
B	Is this application in response to a TCEQ investigation or enforcement action? If "YES", attach a copy of any correspondence from the TCEQ		☐ YES ☑ NO
C	Number of New Jobs 0		
D	Names of the State Senator and district number for this facility site Glenn Hegar - District 18		
	Names of State Representative and district number for this facility site John Zerwas District 28		

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Texas Commission on Environmental Quality
Form PI-1 General Application for Air Preconstruction Permits and Amendments

III	**FACILITY AND SOURCE INFORMATION**	
A	Site Name Beasley Farmers Gin Company	
B	Area Name/Type of Facility	☑ PERMANENT ☐ PORTABLE
C	Principal Company Product or Business Cotton Ginning	
	Primary Standard Industrial Classification Code 0724	
D	Projected Start of Construction Date 5/15/2007	Projected Start of Operation Date 8/15/2007
IV	**TYPE OF PERMIT ACTION REQUESTED**	
A	Permit Number *(if existing)* 41466	
B	Is this an initial permit application?	☐ YES ☑ NO
	If "YES", check the type of permit requested *(check all that apply)* ☐ State Permit ☐ Nonattainment Federal Permit ☐ Flexible Permit ☐ Prevention of Significant Deterioration Federal Permit ☐ Multiple Plant Permit ☐ Hazardous Air Pollutants Permit Federal Clean Air Act § 112(g) ☐ Other _____	
C	Is this a permit amendment? If "YES", Check the type of permit requested *(check all that apply)* ☑ State Permit Amendment ☐ Nonattainment Major Modification ☐ Flexible Permit Amendment ☐ Prevention of Significant Deterioration Major Modification ☐ Multiple Plant Permit Amendment ☐ Hazardous Air Pollutants Permit Federal Clean Air Act § 112(g) Modification ☐ Other _____	☑ YES ☐ NO
D	Is this application for a change in location of previously permitted facilities? If "YES", answer D 1 and D 2	☐ YES ☑ NO
	1 Current location of facility	
	Street Address *(If no street address provide clear driving directions to the site in writing)*	
	City County Zip Code	
	2 Will the proposed facility, site and plot plan meet all current technical requirements of the permit special conditions? If no, attach detailed information	☐ YES ☐ NO
E	Are there any exemptions or permits by rule to be incorporated into this permit?	☐ YES ☑ NO
F	Are you permitting a grandfathered facility? If "YES", attach information on any changes to emissions under this application	☐ YES ☑ NO
G	Is this facility located at a site required to obtain a federal operating permit under 30 TAC Chapter 122? If "NO", go to Section V	☐ YES ☑ NO
	1 Is a site operating permit (SOP) or general operating permit (GOP) review pending for this source, area, or site?	☐ YES ☐ NO
	2 Is an SOP or GOP issued for this source, area, or site?	☐ YES ☐ NO
	3 List SOP or GOP number(s)	

V	**PERMIT FEE INFORMATION**		
A	Fee Paid for this application		$ 900 00
B	Is a copy of the check or money order attached to the original submittal of this application?		☑ YES ☐ NO ☐ N/A
C	Is a Table 30 entitled, "Certification of Estimated Capital Cost and Fee Verification," attached?		☑ YES ☐ NO
VI	**PUBLIC NOTICE APPLICABILITY**		
A	Is this a new permit application?		☐ YES ☑ NO
B	Is this an application for a major modification of a PSD, NA or 30 TAC § 112(g) permit?		☐ YES ☑ NO
C	Is this a state permit amendment application? If "YES", answer C 1 through C 3		☑ YES ☐ NO
1	Is there any change in character of emissions or a new air contaminant in this application?		☐ YES ☑ NO
2	Do the facilities handle, load, unload, dry, manufacture, or process grain, seed, legumes, or vegetable fibers (agricultural facilities)?		☑ YES ☐ NO
3	List the total annual emission increases associated with this application *(list all that apply)*		
	Volatile Organic Compounds (VOC)	0 00 tpy	Particulate Matter (PM) 4 75 tpy
	Sulfur Dioxide (SO_2)	0 00 tpy	Lead (Pb) 0 00 tpy
	Carbon Monoxide (CO)	0 00 tpy	Nitrogen Oxides (NOx) 0 00 tpy
	Other air contaminants not listed above	____ tpy	List ____
D	Is this a change of location application? If "YES", answer D 1 through D 3		☐ YES ☑ NO
1	Is the new facility site located in or contiguous to the right-of-way of a public works project?		☐ YES ☐ NO
2	Is there a permitted facility occupying the new site?		☐ YES ☐ NO
	If "YES", please list the permit number	Permit No ____	
3	Have portable facilities occupied the new site at any time in the last two years?		☐ YES ☐ NO
VII	**PUBLIC NOTICE INFORMATION** *(complete if applicable)*		
A	Responsible Person		
	Name and Title		
	Mailing Address		
	City	State	Zip Code
	Telephone	Fax	E-mail
B	Technical Contact		
	Name and Title		
	Mailing Address		
	City	State	Zip Code
	Telephone	Fax	E-mail

VII	**PUBLIC NOTICE INFORMATION** *(complete if applicable) (Continued)*	
C	Application in Public Place	
	Name of Public Place	
	Physical Address City County	
	The public place has granted authorization to place the application for public viewing and copying?	☐ YES ☐ NO
D	Small Business Classification	
	Does this company (including parent companies and subsidiary companies) employ 100 or fewer persons?	☐ YES ☐ NO
	Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program?	☐ YES ☐ NO
	Are the site emissions of any individual air contaminant greater than 50 tpy?	☐ YES ☐ NO
	Are the site emissions of all air contaminants combined greater than 75 tpy?	☐ YES ☐ NO
E	Bilingual notice confirmation	
	Is a bilingual program **required** by the Texas Education Code in the School District?	☐ YES ☐ NO
	Are the children who attend either the elementary school or the middle school closest to your facility eligible to be enrolled in a bilingual program provided by the district?	☐ YES ☐ NO
	If yes, which language is **required** by the bilingual program?	
VIII	**TECHNICAL INFORMATION**	
A	Is a current area map attached?	☐ YES ☑ NO
	Are any schools located within 3,000 feet of this facility?	☑ YES ☐ NO
B	Is a plot plan of the plant property attached?	☐ YES ☑ NO
C	Is a process flow diagram and a process description attached?	☑ YES ☐ NO
D	Maximum Operating Schedule 24 Hours/Day 7 Days/Week Varies Weeks/Year	
	Seasonal Operation? If "YES", please describe October through March	☑ YES ☐ NO
E	Are worst-case emissions data and calculations attached?	☐ YES ☑ NO
1	Is a Table 1(a) entitled, "Emission Point Summary Table," attached?	☐ YES ☑ NO
2	Is a Table 2 entitled, "Material Balance Table," attached?	☐ YES ☑ NO
3	Are equipment, process or control device tables attached?	☑ YES ☐ NO
4	Are routine maintenance, start-up, or shutdown emissions included?	☐ YES ☑ NO
F	Are actual emissions for the last two years (determination federal applicability) attached?	☐ YES ☑ NO

IX STATE REGULATORY REQUIREMENTS Applicants must be in compliance with all applicable state regulations to obtain a permit or amendment		
A	The emissions from the proposed facility will comply with all rules and regulations of the TCEQ and details are attached?	☑YES ☐NO
B	The proposed facility will be able to measure emissions of significant air contaminants and details are attached?	☐YES ☑NO
C	A demonstration of Best Available Control Technology (BACT) is attached?	☐YES ☑NO
D	The proposed facilities will achieve the performance in the permit application and compliance demonstration or record keeping information is attached?	☑YES ☐NO
E	Is atmospheric dispersion modeling attached?	☐YES ☑NO
F	Does this application involve any air contaminants for which a "disaster review" is required? If "YES", details must be attached *Note* *For a list of air contaminants for which a "disaster review will be required, refer to the NSRPD Disaster Review Guidance Document at www tceq state tx us/permitting/air/Rules/Federal/63/63hmpg htm*	☐YES ☑NO
G	Is this facility or group of facilities located at a site within the Houston/Galveston nonattainment area? (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, or Waller Counties)	☑YES ☐NO
	Does the facility or group of facilities located at this site have an uncontrolled design capacity to emit 10 tpy or more of NO_x?	☐YES ☑NO
	Is this site subject to 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emissions Cap and Trade)?	☐YES ☑NO
	Does this action make the site subject to 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emissions Cap and Trade)?	☐YES ☑NO
	Does this action require the site to obtain additional emission allowances?	☐YES ☑NO
X FEDERAL REGULATORY REQUIREMENTS Applicants must be in compliance with all applicable federal regulations to obtain a permit or amendment ***If any of the following questions is answered "YES", the application must contain detailed attachments addressing applicability, identify federal regulation Subparts, show how requirements are met, and include compliance information.***		
A	Does a Title 40 Code of Federal Regulations Part 60, (40 CFR Part 60) New Source Performance Standard (NSPS) apply to a facility in this application?	☐YES ☑NO
B	Does 40 CFR Part 61, National Emissions Standard for Hazardous Air Pollutants (NESHAP) apply to a facility in this application?	☐YES ☑NO
C	Does a 40 CFR Part 63, Maximum Achievable Control Technology (MACT) standard apply to a facility in this application?	☐YES ☑NO
D	Does nonattainment permitting requirements apply to this application?	☐YES ☑NO
E	Does prevention of significant deterioration permitting requirements apply to this application?	☐YES ☑NO
F	Does Hazardous Air Pollutant Major Source [FAA § 112(g)] requirements apply to this application?	☐YES ☑NO

XI COPIES OF THIS APPLICATION		
A	Has the required fee been sent separately with a copy of this Form PI-1 to the TCEQ Revenue Section? *(MC 214 P O Box 13088 Austin, Texas 78711)*	☑YES ☐NO ☐N/A
B	Are the Core Data Form, Form PI-1, and all attachments being sent to the TCEQ in Austin?	☑YES ☐NO
	OPTIONAL Has an extra copy of the Core Data Form, Form PI-1 and all attachments been sent to the TCEQ in Austin? If "YES", please mark this application as "COPY"	☐YES ☑NO
C	Is a copy of the Core Data Form, the Form PI-1, and all attachments being sent to the appropriate TCEQ regional office?	☑YES ☐NO
D	Is a copy of the Core Data Form, the Form PI-1, and all attachments being sent to each appropriate local air pollution control program(s)?	☐YES ☑NO
	List all local air pollution control program(s) None	
E	Is a copy of the Core Data Form, Form PI-1, and all attachments (without confidential information) being sent to the EPA Region 6 office in Dallas, Texas? (federal applications only)	☐YES ☑NO
F	This facility is located within 100 kilometers of the Rio Grande River and a copy of the application was sent to the International Boundary Water Commission (IBWC)	☐YES ☑NO
G	This facility is located within 100 kilometers of a federally-designated Class I area and a copy of the application was sent to the appropriate Federal Land Manager	☐YES ☑NO
XII PROFESSIONAL ENGINEER (P E) SEAL		
	Is the estimated capital cost of the project greater than $2 million dollars? If "YES", the application must be submitted under the seal of a Texas licensed Professional Engineer (P E)	☐YES ☑NO
XIII SIGNATURE		

The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7, Texas Clean Air Act (TCAA), as amended, or any of the air quality rules and regulations of the Texas Commission on Environmental Quality or any local go vernmental ordinance or resolution enacted pursuant to the TCAA I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements I further state that I have read and understand TWC §§ 7 177-7 183, which defines CRIMINAL OFFENSES for certain violations, including intentionally or knowingly making or causing to be made false material statements or representations in this application, and TWC § 7 187, pertaining to CRIMINAL PENALTIES

NAME Jerry Reynolds SIGNATURE [signature] Original Signature Required DATE 5-3-07

Reset Form Print Form

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APPLICATIONS TEAM

TCEQ Core Data Form

TCEQ Use Only

If you have questions on how to fill out this form or about our Central Registry please contact us at 512 239-5175

Individuals are entitled to request and review their personal information that the agency gathers on its forms
They may also have any errors in their information corrected To review such information, contact us at 512-239-3282

SECTION I General Information

1 Reason for Submission *Example new wastewater permit IHW registration, change in customer information, etc*

NSR Permit Amendment

2 Attachments				Describe Any Attachments *(ex Title V Application, Waste Transporter Application, etc)*
✓	YES		NO	NSR Permit Amendment Application

3 Customer Reference Number-*if issued*			4 Regulated Entity Reference Number-*if issued*		
CN	600541130	*(9 digits)*	RN	102600129	*(9 digits)*

SECTION II Customer Information

5 Customer Role *(Proposed or Actual)* – As It Relates to the Regulated Entity Listed on This Form

Please check one of the following		Owner		Operator	✓	Owner and Operator	
	Occupational Licensee		Volunteer Cleanup Applicant			Other	
TCEQ Use Only			Superfund		PST		Respondent

6 General Customer Information

	New Customer		Change to Customer Information
	Change in Regulated Entity Ownership	✓	No Change*

*If "No Change" and Section I is complete, skip to Section III - Regulated Entity Information

7 Type of Customer					
	Individual				Sole Proprietorship - D B.A
	Partnership		Corporation		Federal Government
	State Government		County Government		City Government
	Other Government				Other

8 Customer Name *(If an individual, please print last name first)*	If New Name, Enter Previous Name
Beasley Farmers Gin Company	

9 Mailing Address	P O Box 113			
	City	State	ZIP	ZIP + 4
	Beasley	TX	77417	

10 Country Mailing Information *if outside USA*	11 E-Mail Address *if applicable*

12 Telephone Number	13 Extension or Code	14 Fax Number *if applicable*
(979) 387-2215		(979) 387-3343

15 Federal Tax ID *(9 digits)*	16 State Franchise Tax ID Number *if applicable*	17 DUNS Number *if applicable (9 digits)*
	1-74-0504077-9	

18 Number of Employees										19 Independently Owned and Operated?			
✓	0-20		21-100		101-250		251-500		501 and higher	✓	Yes		No

SECTION III. Regulated Entity Information

20 General Regulated Entity Information

	New Regulated Entity		Change to Regulated Entity Information	✓	No Change*

*If "No Change" and Section I is complete, skip to Section IV - Preparer Information.

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Press the Tab Key to continue to page 2

21 Regulated Entity Name *(If an individual please print last name first)*				
Beasley Farmers Gin				
22 Street Address (No PO Boxes)	115 South 2nd Street			
	City	State	ZIP	ZIP + 4
	Beasley	TX	77417	
23 Mailing Address	P O Box 113			
	City	State	ZIP	ZIP + 4
	Beasley	TX	77417	
24 E-Mail Address				

25 Telephone Number	26 Extension or Code	27 Fax Number *if applicable*
(979) 387-2215		(979) 387-3343

28 Primary SIC Code (4 digits)	29 Secondary SIC Code (4 digits)	30 Primary NAICS Code (5 or 6 digits)	31 Secondary NAICS Code (5 or 6 digits)
0724		115111	

32 What is the Primary Business of this entity? *(Please do not repeat the SIC or NAICS description)*

Cotton Ginning

Questions 33 - 37 address geographic location Please refer to the instructions for applicability

33 County	Fort Bend

34 Description of Physical Location

115 South 2nd Street

35 Nearest City	State	Nearest Zip
Beasley	TX	77417

36 Latitude (N)			37 Longitude (W)		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	29	51	95	54	53

38 TCEQ Programs In Which This Regulated Entity Participates *Not all programs have been listed Please add to this list as needed If you don't know or are unsure please mark "Unknown"* If you know a permit or registration # for this entity please write it below the program "

	Animal Feeding Operation		Petroleum Storage Tank		Water Rights
	Title V - Air		Wastewater Permit		
	Industrial & Hazardous Waste		Water Districts		
	Municipal Solid Waste		Water Utilities		Unknown
✓	New Source Review - Air		Licensing - Types		

SECTION IV Preparer Information

39 Name	40 Title
Kelley Green	Director of Technical Services

41 Telephone Number	42 Extension or Code	43 Fax Number *if applicable*
(512) 476-8388		(512) 476-8215

44 E-mail Address	kelley@tcga org

Permit Checklist
of
Beasley Farmers Gin Co., Inc.
Beasley, Fort Bend County, Texas

1 Cover Letter is attached

2 History is attached

3 Production Data

a	Maximum hourly baling rate expected	30 bales per hour
b	Maximum annual baling rate expected	24,000 bales per year
c	If expansion, previous hourly baling rate	20 bales per hour
d	Will motes be baled at this gin?	YES motes baled
e	What percent received in modules?	95 percent modules
f	Is Burr Hopper Completely Enclosed? (Walls and Doors)	Yes
g	Schools within 3000 feet of the gin?	Yes
h	Normal ginning season for this gin?	Aug 1 – Oct 31

i Burners

#1 Drier	5 MBtu/hr	Natural Gas
#2 Drier	3 MBtu/hr	Natural Gas
#3 Drier	3 MBtu/hr	Natural Gas
#4 Humidifier	3 MBtu/hr	Natural Gas

j Fuel used See above

k Percent of production by harvest method

Stripper	100 percent
Burr Extracted Stripper	0 percent
Picker	0 percent

4 An updated block flow diagram is attached

5 An updated written process description is attached

6 The plot plan previously submitted is accurate

7 An updated fan/abatement device chart is attached

8 The cyclone tables previously submitted are accurate, unless attached

9 The burr hopper operation explanation previously submitted is accurate

10 The maintenance and housekeeping explanation previously submitted is accurate

11 The highway map previously submitted is accurate

12 The land use map describing structures with a 3,000 ft radius previously submitted is accurate

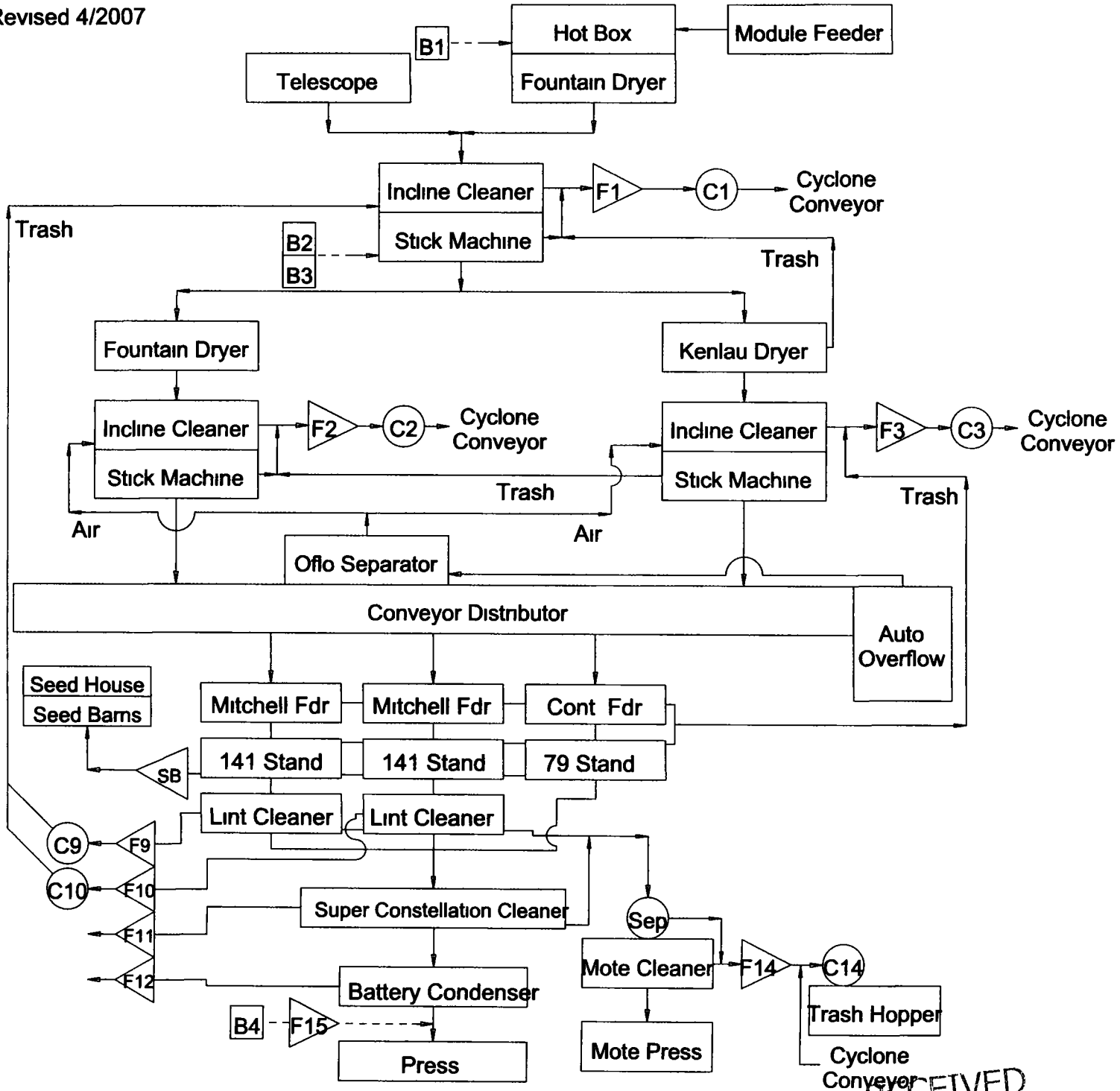
13 The TCEQ Table 30 is attached

14 The application fee is attached

15 A certificate of Good Standing is not required

Beasley Farmers Gin
PROCESS FLOW DIAGRAM

Revised 4/2007



PROCESS DESCRIPTION
OF
Beasley Farmers Gin
Beasley, Ft. Bend County, Texas

1 Seed cotton is suctioned off trailers by a single telescope Modules are brought into the unloading system through the stationary head module feeder If the module feeder is used, the cotton flows from the feeder through a Hot Box and Fountain dryer Heat for this system is applied by burner (B-1)

2 All cotton is then pulled into the 96" #1 inclined cleaner and stick machine system by fan (F-1) which discharges into (C-1) The cleaner removes fine trash, separates the cotton from the conveying air, and prepares the cotton for the stick machine The cotton falls through a vacuum, and into the 96" #1 stick machine, which removes burrs, sticks, and trash This trash is pulled into fan (F-1)

3 The cotton falls from the stick machine, and is picked up in hot air provided by burners (B-2 & B-3) The hot air and cotton are then split, and conveyed through dryers into the 72" #2 inclined cleaners, which provide the same function as the #1 inclined cleaners One of these dryers is equipped with some cleaning capacity Trash from this dryer is pulled into fan (F-1) Air and trash from the #2 inclined cleaners is pulled into fans (F-2 & F-3), which discharge into cyclones (C-2 & C-3)

4 Cotton is gravity fed from the inclined cleaners into the 72" #2 stick machines, which perform the same function as the first stick machine Trash from these machines is pulled into fan (F-2) The cotton is then fed into the conveyor/distributor, which distributes the clean seed cotton into feeders over three gin stands

5 The feeders remove more small trash and dirt, and meter the cotton into the stands The gin stands separate the seed from the lint A conveyor carries the trash and dirt from the feeders and the stands to a transfer point Fan (F-3) picks up the trash from the gin stands The seed falls into an auger where it is conveyed to a seed lift, scale, and blower Once the seed is weighed is sent to a seed house or to the seed barn for storage

6 Any seed cotton not taken from the conveyor distributor by the feeders is dropped into the overflow bin This cotton is then picked up by the overflow line which pulls the cotton back into a separator located over the conveyor distributor Air for the separator is provided by the #2 pull fans, being pulled through the #2 inclined cleaners

7 Lint from the two large stands is moved through lint flues to one 66" lint cleaner mounted behind each stand The cotton is removed from the air stream by two condensers located directly above the lint cleaners Fans (F-9 & F-10) pull lint from the gin stands into the first stage of lint cleaning Cotton passes through the lint cleaners, which remove fine trash and motes Air from these fans exhaust into

cyclones (C-9 & C-10), mounted on a separate cyclone bank Trash from these cyclones is pulled into fan (F-1)

8 Lint from the first stage of lint cleaning and from the smaller gin stand is pulled to the second stage lint cleaners by fan (F-11) This lint cleaning system is a Moss 66" Super Constellation system, which is comprised of two Moss lint cleaners mounted back to back The second stage removes fine trash and motes as well

9 The lint is pulled from the second stage of lint cleaning to the battery condenser by fan (F-12) The lint is doffed from this condenser, then fed into the press The lint is baled, bagged, then loaded onto trucks for shipment As the lint slides from the condenser to the press, humid air is applied to the cotton batt using fan (F-15), and humidifier (B-4) This warm air is then re-circulated back into the cotton stream

10 Motes from all lint cleaners are pulled into a separator mounted over the mote cleaner Air from the separator is pulled into fan (F-14), which discharges into cyclone (C-14) This fan also pulls trash from the mote cleaner From the separator, the mote falls into a mote cleaner, where additional trash is removed, then into a mote baler, which prepares the motes for shipment

11 Cyclone (C-14) is mounted on the main burr hopper Fan (F-14) picks up the trash from the main bank, then deposits it into cyclone (C-14) All other cyclones, unless otherwise noted, are mounted on the main cyclone bank All trash from the ginning operation is accumulated in the burr hopper

This completes the flow description for this Gin

REVISED

5/1/2007

Fan / Abatement Device Chart
Beasley Farmers Gin

Fan ID	Size	Purpose	Expected CFM	Control Device	Control Device ID	Inlet Veloc (fpm)
F-1	Kimbell 60 HE	#1 Pull	14400	1 1D3D 72	C-1	3200
F-2	Smith 60	#2 A Pull	14400	1 1D3D 72	C-2	3200
F-3	Smith 60	#2 B Pull	14400	1 1D3D 72	C-3	3200
F-9	Kimbell 50 D	LC Cond	8000	1 1D3D 54	C-9	3160
F-10	Kimbell 50 D	LC Cond	8000	1 1D3D 54	C-10	3160
F-11	42" CA	LC Cond	18000	Fine Mesh Screen		
F-12	42" CA	Battery Condenser	18000	Fine Mesh Screen		
F-14	Smith 50	Mote Trash	11000	2 1D3D 46	C-14	2994
F-15	Moss 25	Humidifier Fan	2500	N/A		

TABLE 10

CYCLONE SEPARATORS

Point Number (from Flow Diagram)		Manufacturer & Model No (if available)	
C-1 C-2 C-3			
Name of Abatement Device		**Type of Particulate Controlled**	
1D3D Cyclone		Soil and Cotton Plant Matter	
GAS STREAM CHARACTERISTICS			
Flow Rate (acfm)		**Gas Stream Temperature (°F)**	**Particulate Grain Loading (grain/scf)**
Design Maximum	**Average Expected**		**Inlet** / **Outlet**
14 803	14 400	Ambient	

PARTICULATE DISTRIBUTION
(By Weight)

Micron Range	Inlet	Outlet
0 0-1 0	_____ %	_____ %
1 0-3 0	_____ %	_____ %
3 0-5 0	_____ %	_____ %
5 0-10 0	_____ %	_____ %
10 0-20 0	_____ %	_____ %
Over 20	_____ %	_____ %

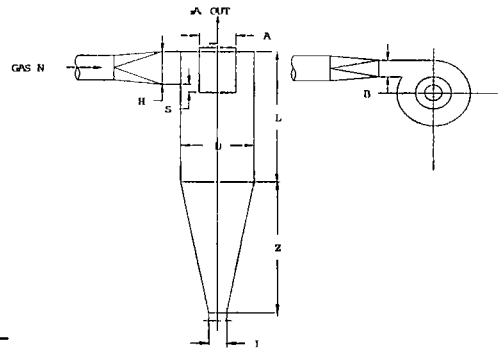
CYCLONE CHARACTERISTICS

Type of Cyclone (check appropriate boxes)

[ ]	wet	[XX]	single	[ ]	quadruple
[XX]	dry	[ ]	dual	[ ]	multicone

Give Dimensions of Cyclone (see sketch)

1 B	18 in	5 Z	216 in		
2 H	36 in	6 D	72 in		
3 S	9 in	7 A	36 in		
4 L	72 in	8 J	18 in		



Method of Removal of Particulate from Cyclone: Gravity Drop

Pressure drop through cyclone (inches of water): 4'-6

ADDITIONAL INFORMATION

On separate sheets attach the following

A Details regarding principle of operation

B An assembly drawing (Front and Top View) of the abatement device dimensioned and

TABLE 10

CYCLONE SEPARATORS

Point Number (from Flow Diagram)		Manufacturer & Model No (if available)	
C-14			
Name of Abatement Device		**Type of Particulate Controlled**	
1D3D Cyclone		Soil and Cotton Plant Matter	
GAS STREAM CHARACTERISTICS			
Flow Rate (acfm)		**Gas Stream Temperature (°F)**	**Particulate Grain Loading (grain/scf)**
Design Maximum	**Average Expected**		**Inlet** / **Outlet**
12 272	14 400	Ambient	

PARTICULATE DISTRIBUTION
(By Weight)

Micron Range	Inlet	Outlet
0 0-1 0	_____ %	_____ %
1 0-3 0	_____ %	_____ %
3 0-5 0	_____ %	_____ %
5 0-10 0	_____ %	_____ %
10 0-20 0	_____ %	_____ %
Over 20	_____ %	_____ %

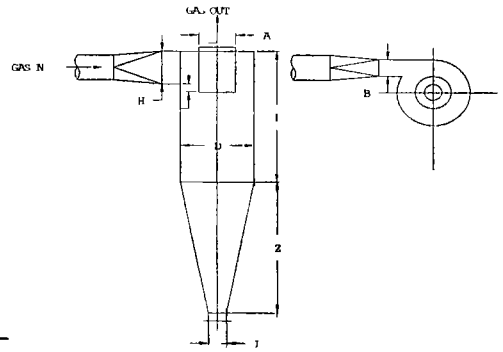
CYCLONE CHARACTERISTICS

Type of Cyclone (check appropriate boxes)

	wet		single		quadruple
XX	dry	XX	dual		multicone

Give Dimensions of Cyclone (see sketch)

1 B	11 5	in	5 Z	138	in
2 H	23	in	6 D	46	in
3 S	5 75	in	7 A	23	in
4 L	46	in	8 J	12	in



Method of Removal of Particulate from Cyclone: Gravity Drop

Pressure drop through cyclone (inches of water): 4 -6

ADDITIONAL INFORMATION

On separate sheets attach the following

A Details regarding principle of operation

B An assembly drawing (Front and Top View) of the abatement device dimensioned and

Texas Commission on Environmental Quality

Table 30

Estimated Capital Cost and Fee Verification

Include estimated cost of the equipment and services that would normally be capitalized according to standard and generally accepted corporate financing and accounting procedures. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality, Air Permits Division Web site at www tnrcc state tx us/permitting/airperm.

I. DIRECT COSTS [30 TAC § 116 141(c)(1)]	Estimated Capital Cost
A A process and control equipment not previously owned by the applicant and not currently authorized under this chapter	$ 15 000 00
B Auxiliary equipment, including exhaust hoods, ducting, fans, pumps, piping, conveyors, stacks, storage tanks, waste disposal facilities, and air pollution control equipment specifically needed to meet permit and regulation requirements	$ 60 000 00
C Freight charges	$
D Site preparation, including demolition, construction of fences, outdoor lighting, road and parking areas	$
E. Installation, including foundations, erection of supporting structures, enclosures or weather protection, insulation and painting, utilities and connections, process integration, and process control equipment	$ 30 000 00
F Auxiliary buildings, including materials storage, employee facilities, and changes to existing structures	$
G Ambient air monitoring network	$
II. INDIRECT COSTS [30 TAC § 116 141(c)(2)]	**Estimated Capital Cost**
A. Final engineering design and supervision, and administrative overhead	$
B Construction expense, including construction liaison, securing local building permits, insurance, temporary construction facilities, and construction clean-up	$
C Contractor's fee and overhead	$
TOTAL ESTIMATED CAPITAL COST	$ 105 000 00

I certify that the total estimated capital cost of the project as defined in 30 TAC § 116 141 is equal to or less than the above figure I further state that I have read and understand Texas Water Code§ 7 179, which defines CRIMINAL OFFENSES for certain violations, including intentionally or knowingly making, or causing to be made, false material statements or representations.

Company Name Beasley Farmers Gin

Company Representative Name (please print) Jerry Reynolds Title Manager

Company Representative Signature

Estimated Capital Cost	Permit Application Fee	PSD/Nonattainment Application Fee
Less than $ 300,000	$900 (minimum fee)	$3,000 (minimum fee)
$300,000 to $25,000,000	0 30% of capital cost	1 0% of capital cost
$300,000 to $ 7,500,000	$75,000 (maximum fee)	$75,000 (maximum fee)
Greater than $ 25,000,000		
Greater than $ 7,500,000		

PERMIT APPLICATION FEE (from table above) = $ 900 00

Date 5-3-07

TCEQ-10196 [Revised 04-15-03]
Table 30 - This form is for use by facilities subject to Air New Source Review permit requirements and may be revised [ANSRG95A/7024-v2]

RECEIVED
MAY 10 2007
AIR & WASTE
APPLICATIONS TEAM

EMISSIONS FOR AN EXISTING/PROPOSED FACILITY

Engineer **Joel Stanford** Permit No
Company [redacted] Project No
Date **05/31/07** Acct No **XX-XXXX-XX**

This program calculates emissions of particulate matter and products of combustion from cotton gins

Are the following emission calculations for a (1) grandfathered facility or a (2) proposed facility? **2**

What percent of the annual throughput will be harvested by the following methods

Stripper	**100**	%
Burr Extracted	**0**	%
Picker	**0**	%
Total	100	%

Please use the mouse to click the stripper button below

Stripper | Burr | Picker | Strip Burr | Strip Pick | Burr Pick | All Three

What is the maximum number of Bales / Hour? **30**

What is the maximum number of Bales / Year? **24,000**

Will motes be baled? **Yes**

Is the burr hopper enclosed or controlled? **Yes**

What fuel are the dryers fired on? **1**
(1) Natural gas = 1,000 Btu/CF
(2) Butane = 97,400 Btu/Gal
(3) Propane = 90,500 Btu/Gal

What is the total Btu/hr rating? **14000000**

Enter the appropriate control device numbers in the table below

0 No controls
1 Cyclones (a)
2 Small mesh screen (b)
3 Inline lint filter (c)
4 Plenum chamber followed by cyclones (d)
* Drum filter (e) *(For drum filter enter the emission point CFM in the "Control Device Number" column)
6 Flutter filter (f)

STRIPPER Emissions Calculation Table

Emission Point	Abatement Device Sampled	lb/bale (g)	Control Device Number	Proposed Abatement	Factor	Emissions lb/bale
Unloading fan	Cyclones	0 1670	1	Cyclones	1	0 1670
1st dryer cleaner	Cyclones	0 1920	1	Cyclones	1	0 1920
2nd dryer cleaner	Cyclones	0 0680	1	Cyclones	1	0 0680
Distrib separator	Cyclones	0 0240	1	Cyclones	1	0 0240
Burr & stick mach	Cyclones	0 2110	1	Cyclones	1	0 2110
Overflow	Cyclones	0 0130	1	Cyclones	1	0 0130
1st lint cleaner	Lint filter	0 5870	1	Cyclones	0 5	0 2935
2nd lint cleaner	Lint filter	0 0790	2	Small mesh	2 5	0 1975
Battery condenser	No control	0 0740	2	Small mesh	0 5	0 0370
Motes	Cyclones	0 1180	1	Cyclones	1	0 1180
Motes cleaner		0 1920	1	Cyclones	1	0 1920
				Total Emissions =		**1 513 lb/bale**

Pounds / Hour of Total Suspended Particulate
30 bale / hour * 1 513 lb / bale = **45 39** **lb / hour of TSP**

Tons / Year of Total Suspended Particulate
24000 bale / year * 1 513 lb / bale * 1 ton / 2000 lb = **18 16** **tons / year of TSP**

Pounds / Hour of PM10 (h)
45 39 lb / hour * 0 5 = **22 70** **lb / hour of PM10**

Tons / Year of PM10 (h)
18 16 tons / year * 0 5 = **9 08** **tons / year of PM10**

TRASH HOPPER CALCULATIONS

Pounds / Hour of TSP (i) (j) (k) (l)

30 bales / hr * 1000 lb / bale * 1 lb / ton * 0 3 O P * 1 ton / 2000 lb * 0 5 = **2 25** **lb/hr TSP**

Tons / Year of TSP (i) (j) (k) (l)

24000 bale/yr * 1000 #/bale * 1#/ton * 0 3 * 1 ton/2000 # * 1ton/2000 # * 0 5 = **0 90** **ton/yr TSP**

Pounds / Hour of PM10 (h)

2 25 lb / hour TSP * 0 5 = **1 13** **lb / hour of PM10**

Tons / Year of PM10 (h)

0 90 tons/year TSP * 0 5 = **0 45** **tons / year of PM10**

COMBUSTION CALCULATIONS

Equivalent Hours / Year the gin will operate (m)

24000 bales / year / 30 bale / hr * 1 5 = **1200** **hours / year**

Volume of Fuel Burned per Hour

14000000 Btu / hr * 1 CF / 1000 Btu = **14000** **CF / hour**

NATURAL GAS EMISSIONS

(n)

Pollutant	#/10^6 CF	CF/hr	lb/hr	ton/yr
PM10	7 60	14000	0 1064	0 0638
VOC	5 50	14000	0 0770	0 0462
NOx	100 00	14000	1 4000	0 8400
CO	84 00	14000	1 1760	0 7056
SO2	0 60	14000	0 0084	0 0050

SUMMARY FOR MAERT

Source Name	Air Contaminant Name	Emission Rates lb/hr	ton/yr
Cotton Gin	TSP	45 50	18 22
	PM10	22 80	9 14
	VOC	0 08	0 05
	NOx	1 40	0 84
	CO	1 18	0 71
	SO2	0 01	0 01
Trash Hopper	TSP	2 25	0 90
	PM10	1 13	0 45

Emission rates are based on and the facilities are limited to an hourly throughput of 30 bales and an annual throughput of 24000 bales of cotton

SUMMARY FOR SPECIAL CONDITIONS

Stripper Cotton =	bales *	0 000757 =		
Burr Extracted =	bales *	0 000486 =		
Picker Cotton =	bales *	0 000216 =		
Total =	bales	Total =		Tons

SUMMARY FOR TECHNICAL REVIEW

Total Emissions	tons/yr
TSP	19 12
PM10	9 59
VOC	0 05
NOx	0 84
CO	0 71
SO2	0 01

REGULATION I - Process Weight Allowables

Maximum Process Weight (o)

30 * 2300 lb / bale = 69000 lb processed / hour

Since the maximum process weight is above 40,000 lb / hour the following formula will be used

E = 25 4 * (P ^ 0 287)

E = **70 18** **lb/hour maximum allowable emission rate**

Process weight allowables are OK

where E = emission rate (lb/hr)
P = process weight (ton/hr) (lb/hr / 2000 lb/ton)

ASSUMPTIONS

Cotton Gin Emissions

(a) Cyclones are assumed to be 90% efficient in removing suspended particulate matter
(b) Small mesh screens are assumed to be 50% efficient in removing suspended particulate matter
(c) Inline lint filters are assumed to be 80% efficient in removing suspended particulate matter
(d) Emission rates for plenum chambers followed by cyclones are obtained by averaging emission rates for stripper and picker cotton when controlling stripper cotton emissions No credit is given for controlling picker cotton emissions with a plenum chamber followed by cyclones
(e) Drum filters are assumed to have an outlet grain loading of 0 01 grains/dry standard cubic foot
(f) Flutter filters are assumed to be 50% efficient in removing suspended particulate matter
(g) Sampling results from the South Plains Ginning Research Laboratory 1970 test by Parnell & Baker, Lubbock, Texas (assuming moderately dirty cotton)
(h) PM10 is assumed to make up 50% of the total suspended particulate matter

Trash Hopper Emissions

(i) Stripper cotton is assumed to have 1000 pounds of trash per bale Burr extracted cotton is assumed to have 500 pounds of trash per bale Picker cotton is assumed to have 250 pounds of trash per bale
(j) Assume emission rate for burr hopper dump (1 lb/ton) is similar to grain handling emission rate
(k) Thirty percent of the total suspended particulate is assumed to travel off property
(l) Fifty percent control efficiency is assumed if the burr hopper dump area is totally enclosed

Combustion Calculation Emissions

(m) The calculated hours per year represent the minimum amount of time the dryers will run A factor of 1 5 is used since fuel fired equipment may run at times when cotton is not being ginned
(n) Emission factors for natural gas are taken from section 1 4 of AP42 Butane and propane emission factors are taken from section 1 5 of AP42

Regulation I - Process Weight Allowables

(o)It is assumed that 2300 pounds of field cotton are needed to produce one bale of stripper cotton
It is assumed that 1750 lb of field cotton are needed to produce one bale of burr extracted cotton
It is assumed that 1500 pounds of field cotton are needed to produce one bale of picker cotton