



JUN 07 2012

Daniel Lee
Paramount Farms International LLC
13646 Highway 33
Lost Hills, CA

Re: Notice of Preliminary Decision - Authority to Construct
Project Number: C-1120254

Dear Mr. Lee:

Enclosed for your review and comment is the District's analysis of Paramount Farms International LLC's application for an Authority to Construct for the installation of a new pistachio hulling and drying operation, at the corner of Ave 6 & Chowchilla Canal Road approximately 8 miles east of Firebaugh, CA.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day public comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Richard Edgehill of Permit Services at (661) 392-5617.

Sincerely,

David Warner
Director of Permit Services

DW:RUE/bw

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
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Bakersfield, CA 93308-9725
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JUN 07 2012

Mike Tollstrup, Chief
Project Assessment Branch
Stationary Source Division
California Air Resources Board
PO Box 2815
Sacramento, CA 95812-2815

Re: Notice of Preliminary Decision - Authority to Construct
Project Number: C-1120254

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Enclosed for your review and comment is the District's analysis of Paramount Farms International LLC's application for an Authority to Construct for the installation of a new pistachio hulling and drying operation, at the corner of Ave 6 & Chowchilla Canal Road approximately 8 miles east of Firebaugh, CA.

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Madera Tribune
Madera Tribune

**NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED ISSUANCE OF
AN AUTHORITY TO CONSTRUCT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Unified Air Pollution Control District solicits public comment on the proposed issuance of Authority to Construct to Paramount Farms International LLC for the installation of a new pistachio hulling and drying operation, at the corner of Ave 6 & Chowchilla Canal Road approximately 8 miles east of Firebaugh, CA.

The analysis of the regulatory basis for this proposed action, Project #C-1120254, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the District office at the address below. Written comments on this project must be submitted within 30 days of the publication date of this notice to **DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVENUE, FRESNO, CA 93726.**

San Joaquin Valley Air Pollution Control District
Authority to Construct Application Review
Pistachio Hulling and Drying Operation

Facility Name: Paramount Farms International LLC Date: May 30, 2012
Mailing Address: 13646 Highway 33 Engineer: Richard Edgehill
Lost Hills, CA 93249 Lead Engineer: Allan Phillips
Contact Person: Daniel Lee
Telephone: (661) 797-6505
Fax: (661) 797-6542
E-Mail: dlee@paramountfarms.com
Application #(s): C-8347-1-0
Project #: 1120254
Deemed Complete: February 21, 2012

I. PROPOSAL:

Paramount Farms International Inc. (PFI) is requesting an Authority to Construct authorizing the installation of a new pistachio hulling and drying operation. The proposed operation will consist of four receiving pits with conveyors served by 4 high efficiency 1D-3D cyclones, 20 GSI type dryers, and exempt equipment including 42 storage silos and wet process equipment.

Note that the facility is not a New Major Source as explained in Section VII below and therefore Rule 2520 is not applicable.

The project requires BACT, offsets, and public notice.

II. APPLICABLE RULES:

Rule 2201 New and Modified Stationary Source Review Rule (4/21/11)
Rule 4001 New Source Performance Standards (4/14/99)
Rule 4002 National Emissions Standards for Hazardous Air Pollutants
 (5/20/04)
Rule 4101 Visible Emissions (2/17/05)
Rule 4102 Nuisance (12/17/92)
Rule 4201 Particulate Matter Concentration (12/17/92)
Rule 4202 Particulate Matter Emissions Rate (12/17/92)
Rule 4301 Fuel Burning Equipment (12/17/92)
Rule 4309 Dryers, Dehydrators, and Ovens (12/15/05)
Rule 4801 Sulfur Compounds (12/17/92)
CH&SC 41700 Health Risk Assessment
CH&SC 42301.6 School Notice
Public Resources Code 21000-21177: California Environmental Quality Act (CEQA)

California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000-15387: CEQA Guidelines

III. PROJECT LOCATION:

The facility will be located the corner of Ave 6 & Chowchilla Canal Road approximately 8 miles east of Firebaugh, California. The facility is not within 1,000 feet of a K-12 school. A facility location map is shown in **Attachment I**. A facility plot plan is included as **Attachment II**.

Table 1 - Facility Location			
Stationary Source	Section	Township	Range
NE	03	13S	15E

IV. PROCESS DESCRIPTION:

Pistachios are harvested and hulled as rapidly as possible during the approximately 45 to 60 day season. Freshly harvested pistachios are extremely prone to damage; a delay in the hulling and drying of harvested pistachios not only results in stained pistachio shells, which makes the nuts much less valuable than unstained shells, but also results in the production of aflatoxin, a toxic byproduct of mold. Therefore, pistachios must be hulled and dried as soon as they are harvested.

After hulling the nuts are transferred to column dryers to reduce the moisture content from 30-40% to approximately 7%. After drying, the closed nuts are conveyed to gravity decks to further separate the blanks prior to storage. The good nuts are then conveyed to storage silos where moisture content may be further reduced or maintained at the desired level. After this initial processing, the pistachio nuts can be stored, without sustaining damage, while they wait for final processing. A product flow diagram of the hulling and drying operation is included as **Attachment III**.

The maximum heat input rating of the dryers is estimated at 20 MM Btu/hr based on anticipated operating conditions. If needed, warm air to the silos and sample dryers will be provided by permit exempt certified indirect fired air heaters with a heat input rating of less than 2.0 MM Btu/hr.

V. EQUIPMENT LISTING:

C-8347-1-0

PISTACHIO HULLING AND DRYING OPERATION WITH TWENTY 20 MM BTU/HR COLUMN DRYERS, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING PERMIT EXEMPT WET PROCESSING EQUIPMENT: PISTACHIO HULLER/PEELER(S), WASH DECK(S), FLOAT TANK(S), WET ASPIRATOR(S) WITH CYCLONE(S) AND/OR EXPANSION BOXE(S), GRAVITY DECK(S) AND CLASSIFYING DECK(S) EACH WITH A HIGH

EFFICIENCY CYCLONE, ASSOCIATED ELEVATOR(S), HOPPER(S), AUGER(S), AND CONVEYOR(S)

VI. EMISSION CONTROL TECHNOLOGY EVALUATION:

Pre-cleaner leaf blowers followed by an expansion box and then a high efficiency cyclone serving the pre-cleaning system have been demonstrated as the most efficient method of removing large pieces of debris such as leaves, twigs and blanks from the nuts prior to the wet hulling process.

Aspirators and cyclones used in conjunction with the pistachio dryers are designed to remove unwanted pieces of hull, shell, twigs, etc. that make it through the hulling process. As this material dries it can accumulate in the process equipment posing a fire hazard and potentially attracting rodents and insects.

The use of high efficiency cyclones represents the best method of collecting these large pieces of debris. The proposed cyclones are 42" 1D-3D

Drying Process

The dryers are fired on commercial natural gas. The multiple small burners used in these units are thermostatically controlled to maintain drying chamber temperature usually in the 170°F to 230°F range. This relatively cool chamber temperature is achieved with a cool burner temperature, which inherently produces less NO_x than other types of dryers. Please note that the NO_x emissions factor for pistachio dryers, 0.083 lb NO_x/MMBtu, was demonstrated through source testing and is the basis for BACT Guideline 1.6.8. No additional control equipment is proposed or required.

Manufacturer's information on proposed GSI dryers and 1D-3D cyclones are included in **Attachment IV**.

VII. CALCULATIONS:

A. Assumptions

- The hulling and drying operation typically operates 24 hours per day and up to 60 days (1440 hrs) per year.
- The daily fuel use limit for the column dryers will not exceed 9.6 MMscf/day
- The annual fuel use limit for the column dryers will not exceed 576 MM scf/yr.
- Pre-cleaner cyclones have an approved emission factor of 0.08 lb PM₁₀/hr and an operating limit of 1,440 hours/yr.
- Gravity decks are not sources of PM₁₀ emissions.
- The approved dryer emission factors (lb/MM scf) are as follows:

Source	PM10	SOx	NOx	VOC	CO
Column Dryers	2.5	2.85	83.2	3.8	21.0

- Because the proposed dryers are designed to vent horizontally through perforated openings in the sides it is not possible to capture emissions through a stack and therefore NO_x, SO_x, combustion PM₁₀, CO, and VOC emissions are considered as fugitive emissions for Major Source, Federal and SB 288 Major Modification calculations.

1. Pre-Project Potential to Emit (PE1)

C-8347-1-0

Since this is a new permit unit, PE1 = 0 for all pollutants.

2. Post Project Potential to Emit (PE2)

Heat input limit = 9.6 MMscf/day, 576 MMscf/yr

NO_x: 83.2 lb/MMscf x 9.6 MMscf/day = 798.7 lb/day

SO_x: 2.85 lb/MMBtu x 9.6 MMscf/day = 27.4 lb/day

PM₁₀: 2.5 lb/MMBtu x 9.6 MMscf/day = 24.0 lb/day

CO: 21.0 lb/MMBtu x 9.6 MMscf/day = 201.6 lb/day

VOC: 3.8 lb/MMBtu x 9.6 MMscf/day = 36.5 lb/day

Annual heat input limit: 245 MMscf/yr

NO_x: 83.2 lb MMScf x 576 MMscf/yr = 47,923 lb/yr

SO_x: 2.85 lb/MMscf x 576 MMscf/yr = 1642 lb/yr

PM₁₀: 2.5 lb/MMscf x 576 MMscf/yr = 1440 lb/yr

CO: 21.0 lb/MMscf x 576 MMscf/yr = 12,096 lb/yr

VOC: 3.8 lb/MMscf x 576 MMscf/yr = 2,189 lb/yr

Cyclone emissions

0.08 lb/hr/cyclone x 4 cyclones x 24 hr/day = 7.7 lb PM₁₀/day

x 60 days/yr = 461 lb PM₁₀/yr

Post-Project Potential to Emit (PE2)		
	Daily Emissions (lb/day)	Annual Emissions (lb/year)
NO _x	798.7	47,923
SO _x	27.4	1,642
PM ₁₀	24.0 + 7.7 = 31.7	461 + 1440 = 1,901
CO	201.6	12,096
VOC	36.5	2,189

Emissions Profiles are included in **Attachment V**.

3. Pre-Project Stationary Source Potential to Emit (SSPE1)

Pursuant to District Rule 2201, the SSPE1 is the Potential to Emit (PE) from all units with valid Authorities to Construct (ATC) or Permits to Operate (PTO) at the Stationary Source and the quantity of Emission Reduction Credits (ERC) which have been banked since September 19, 1991 for Actual Emissions Reductions (AER) that have occurred at the source, and which have not been used on-site.

Since this is a new facility, there are no valid ATCs, PTOs, or ERCs at the Stationary Source; therefore, the SSPE1 is equal to zero.

4. Post Project Stationary Source Potential to Emit (SSPE2)

Pursuant to District Rule 2201, the SSPE2 is the PE from all units with valid ATCs or PTOs at the Stationary Source and the quantity of ERCs which have been banked since September 19, 1991 for AER that have occurred at the source, and which have not been used on-site.

SSPE2 (lb/year)					
Permit Unit	NO _x	SO _x	PM ₁₀	CO	VOC
C-8347-1-0	47,923	1,642	1,901	12,096	2,189
SSPE2	47,923	1,642	1,901	12,096	2,189

5. Major Source Determination

Pursuant to District Rule 2201, a Major Source is a stationary source with a SSPE2 equal to or exceeding one or more of the following threshold values. However, for the purposes of determining major source status, the SSPE2 shall not include the quantity of ERCs which have been banked since September 19, 1991 for AER that have occurred at the source, and which have not been used on-site.”

Major Source Determination (lb/year)					
	NO _x	SO _x	PM ₁₀	CO	VOC
SSPE1	0	0	0	0	0
SSPE2*	0	0	461	0	0
Major Source Threshold	20,000	140,000	140,000	200,000	20,000
Major Source?	No	No	No	No	No

*Cyclone emissions only - District Rule 2201 Section 3.24.1 For determining major source status, fugitives shall only be included for calculating the air pollutant post-project emissions or SSPE2 if the source is included in the list of source categories identified in the major source definition in 40 CFR Part 70.2. The source is not included in source categories identified in the major source definition in 40 CFR Part 70.2.

As seen in the table above, the facility is not an existing Major Source for any pollutant and is not becoming a Major Source for NO_x emissions as a result of this project.

6. Baseline Emissions (BE)

The BE calculation (in lbs/year) is performed pollutant-by-pollutant for each unit within the project to calculate the QNEC, and if applicable, to determine the amount of offsets required.

Pursuant to District Rule 2201, BE = PE1 for:

- Any unit located at a non-Major Source,
- Any Highly-Utilized Emissions Unit, located at a Major Source,
- Any Fully-Offset Emissions Unit, located at a Major Source, or
- Any Clean Emissions Unit, located at a Major Source.

otherwise,

BE = Historic Actual Emissions (HAE), calculated pursuant to District Rule 2201.

C-8347-1-0:

Since this is a new permit unit, BE = PE1 = 0 for all pollutants.

7. SB 288 Major Modification

SB 288 Major Modification is defined in 40 CFR Part 51.165 as "*any physical change in or change in the method of operation of a major stationary source that would result in a significant net emissions increase of any pollutant subject to regulation under the Act.*"

As discussed in Section VII.C.5 above, the facility is not a Major Source for SO_x and PM₁₀; therefore, the project does not constitute a SB 288 Major Modification for these air contaminants.

The source is not included in the 28 specific source categories specified in 40 CFR 51.165. Therefore increases in NO_x and VOC fugitive emissions (please see assumptions section) are not included in the SB 288 Major Modification calculation and the project is not a SB 288 Major Modification.

8. Federal Major Modification

District Rule 2201, Section 3.17 states that Federal Major Modifications are the same as "Major Modification" as defined in 40 CFR 51.165 and part D of Title I of the CAA. SB 288 Major Modifications are not Federal Major Modifications if they meet the criteria of the "Less-Than-Significant Emissions Increase" exclusion.

A Less-Than-Significant Emissions Increase exclusion is for an emissions increase for the project, or a Net Emissions Increase for the project (as defined in 40 CFR 51.165 (a)(2)(ii)(B) through (D), and (F)), that is not significant for a given regulated NSR pollutant, and therefore is not a Federal Major Modification for that pollutant.

- To determine the post-project projected actual emissions from existing units, the provisions of 40 CFR 51.165 (a)(1)(xxviii) shall be used.
- To determine the pre-project baseline actual emissions, the provisions of 40 CFR 51.165 (a)(1)(xxxv)(A) through (D) shall be used.
- If the project is determined not to be a Federal Major Modification pursuant to the provisions of 40 CFR 51.165 (a)(2)(ii)(B), but there is a reasonable possibility that the project may result in a significant emissions increase, the owner or operator shall comply with all of the provisions of 40 CFR 51.165 (a)(6) and (a)(7).
- Emissions increases calculated pursuant to this section are significant if they exceed the significance thresholds specified in the table below.

Pollutant	Threshold (lb/year)
VOC	0
NOx	0
PM10	30,000
SOx	80,000

The Net Emissions Increases (NEIs) for purposes of determination of a “Less-Than-Significant Emissions Increase” exclusion will be calculated below to determine if this project qualifies for such an exclusion.

As discussed in Section VII.C.5 above, the facility is not a Major Source for SOx and PM10; therefore, the project does not constitute a Federal Major Modification for these air contaminants.

The source is not included in the 28 specific source categories specified in 40 CFR 51.165. Therefore increases in NOx and VOC fugitive emissions are not included in the Federal Major Modification calculation and the project is not a Federal Major Modification.

9. Quarterly Net Emissions Change (QNEC)

The Quarterly Net Emissions Change is used to complete the emission profile screen for the District’s PAS database. The QNEC for each pollutant is shown in the table(s) below and reported in the PAS database emissions profile.

The QNEC shall be calculated as follows:

QNEC = (PE2 – BE)/4, where:

QNEC = Quarterly Net Emissions Change for each emissions unit, lb/qtr.

PE2 = Post Project Potential to Emit for each emissions unit, lb/yr.

BE = Baseline Emissions (per Rule 2201) for each emissions unit, lb/yr.

QNEC (lb/qtr) — C-8347-1-0					
Pollutant	NO _x	SO _x	PM ₁₀	CO	VOC
PE2 (lb/yr)	47,923	1,642	1,901	1,901	2,189
BE (lb/yr)	0	0	0	0	0
QNEC	11,981	411	475	475	547

VIII. COMPLIANCE:

A. Best Available Control Technology (BACT)

1. BACT Applicability

a. New emissions units – PE > 2 lb/day

As seen in Section VII.C.2 of this evaluation, the applicant is proposing to install new column dryers with DELs equal to the following:

Combustion Emissions

NO_x: 83.2 lb/MMscf x 9.6 MMscf/day = 798.7 lb/day

SO_x: 2.85 lb/MMBtu x 9.6 MMscf/day = 27.4 lb/day

PM₁₀: 2.5 lb/MMBtu x 9.6 MMscf/day = 24.0 lb/day

CO: 21.0 lb/MMBtu x 9.6 MMscf/day = 201.6 lb/day

VOC: 3.8 lb/MMBtu x 9.6 MMscf/day = 36.5 lb/day

The PE is greater than 2 lb/day for NO_x, SO_x, PM₁₀, CO, and VOC for the dryers and greater than 2 lb/day for PM₁₀ from the cyclones. BACT is triggered for NO_x, SO_x, PM₁₀, and VOC only for the dryers since the PEs are greater than 2 lbs/day; however BACT is not triggered for CO since the SSPE2 for CO is not greater than 200,000 lbs/year, as demonstrated in Section VII.C.5 of this document.

Pre-Cleaner Cyclone Emissions

PM₁₀: 7.7 lb/day

BACT is triggered for PM₁₀ for the pre-cleaner operation as emissions exceed 2 lb/day.

b. Relocation of emissions units – PE > 2 lb/day

As discussed in Section I above, there are no emissions units being relocated from one stationary source to another; therefore BACT is not triggered.

c. Modification of emissions units – AIPE > 2 lb/day

As discussed in Section I above, there are no modified emissions units associated with this project; therefore BACT is not triggered.

d. Major Modification

As discussed in Section VII.C.7 above, this project does not constitute a Major Modification; therefore BACT is not triggered.

2. BACT Guideline - Attachment VI

BACT Guideline 5.2.3 applies to the proposed Preleasing Operation.

BACT Guideline 1.6.8 applies to the proposed 20.0 MMBtu/hr column dryers.

3. Top-Down BACT Analysis

Per Permit Services Policies and Procedures for BACT, a Top-Down BACT analysis shall be performed as a part of the application review for each application subject to the BACT requirements pursuant to the District's NSR Rule.

Pursuant to the Top-Down BACT Analyses (**Attachment VII**) BACT has been satisfied with the following:

Pre-cleaning Operation

PM10: 1D-3D cyclone

Column Dryers

NOx: Low NOx burner @ 0.083 lb/MMBtu and natural gas fuel.

SOx, PM10, VOC: Natural gas with LPG a backup fuel.

B. Offsets

1. Offset Applicability

Offset requirements shall be triggered on a pollutant by pollutant basis and shall be required if the SSPE2 equals to or exceeds the offset threshold levels in Table 4-1 of Rule 2201.

The SSPE2 is compared to the offset thresholds in the following table.

Offset Determination (lb/year)					
	NO _x	SO _x	PM ₁₀	CO	VOC
SSPE2	47,923	1,642	1,901	1,901	2,189
Offset Thresholds	20,000	54,750	29,200	200,000	20,000
Offsets triggered?	Yes	No	Yes*	No	No

*the project must be fully offset to mitigate impact of AAQA (please see **Attachment VIII**)

2. Quantity of Offsets Required

As seen above, the SSPE2 is greater than the offset thresholds for NO_x only. Therefore offset calculations will be required for this project.

The quantity of offsets in pounds per year for NO_x is calculated as follows for sources with an SSPE1 less than the offset threshold levels before implementing the project being evaluated.

$$\text{Offsets Required (lb/year)} = [(\text{SSPE2} - \text{ROT} + \text{ICCE}) \times \text{DOR}]$$

Where,

SSPE2 = Post Project Stationary Source Potential to Emit

ROT = Respective Offset Threshold, for the respective pollutant

ICCE = Increase in Cargo Carrier Emissions – not applicable

DOR = Distance Offset Ratio, determined pursuant to Section 4.8

$$\text{SSPE2 (NO}_x\text{)} = 47,923 \text{ lb/year}$$

$$\text{Offset threshold (NO}_x\text{)} = 20,000 \text{ lb/year}$$

$$\text{ICCE} = 0 \text{ lb/year}$$

The applicant has stated that the facility plans to use ERC certificate C-1133-2 to offset the increases in NO_x emissions associated with this project. The reductions occurred at another stationary source greater than 15 miles from C-8347 (C-598 Guardian Industries Corporation, Kingsburg, CA). Therefore the correct DOR is 1.5:1. The amount of NO_x ERCs that need to be withdrawn is:

Please note that the entire amount of NO_x must be offset to mitigate the impact of the project on the ambient air quality as reflected by the results of AAQA modeling (**Attachment VIII**).

$$\begin{aligned} \text{Offsets Required (lb/year)} &= 47,923 \times 1.5 \\ &= 71,885 \text{ lb NO}_x\text{/year} \end{aligned}$$

The following quantities have been reserved in PAS (71,885 lb NO_x/4 per quarter).

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
17,971	17,971	17,971	17,771

PM10 DOR = 1.5. Please note that the entire amount of PM10 to must be offset to mitigate the impact of the project on the ambient air quality as reflected by the results of AAQA modeling (**Attachment VIII**). The PM10 reductions (ERCs used for offsets in this project) all occurred at facilities located greater than 15 miles from the proposed location.

$$\begin{aligned} \text{Offsets Required (lb/year)} &= 1901 \times 1.5 \\ &= 2,852 \text{ lb PM10/year} \end{aligned}$$

Calculating the appropriate quarterly emissions to be offset is as follows:

<u>DOR</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
1.5:1	713	713	713	713

Proposed Rule 2201 (offset) Conditions:

Prior to operating equipment under this Authority to Construct, permittee shall surrender emission reduction credits for the following quantities of emissions: NOx: 17,971 lb/qtr and PM10: 713 lb/qtr. Offsets include the applicable offset ratio specified in Section 4.8 of Rule 2201 (as amended 4/21/11). [District Rule 2201] Y

ERC Certificate Numbers C-1133-2, S-1267-4, C-499-4, and N-284-4 (or certificates split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201] Y

Reserved in PAS (proposed by applicant)

ERC #	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
S-1267-4	350	353	508	387
C-499-4	78	249	205	326
N-284-4	285	111	0	0
Total	713	713	713	713

C. Public Notification

1. Applicability

Public noticing is required for:

- a. New Major Sources, Federal Major Modifications, and SB 288 Major Modifications,
- b. Any new emissions unit with a Potential to Emit greater than 100 pounds during any one day for any one pollutant,
- c. Any project which results in the offset thresholds being surpassed, and/or
- d. Any project with an SSIPE of greater than 20,000 lb/year for any pollutant.

a. New Major Sources, Federal Major Modifications, and SB 288 Major Modifications

New Major Sources are new facilities, which are also Major Sources. As shown in Section VII.C.5 above, the SSPE2 is not greater than the Major Source threshold for any pollutant. Therefore, public noticing is not required for this project for new Major Source purposes.

As demonstrated in VII.C.7, this project does not constitute an SB 288 or Federal Major Modification; therefore, public noticing for SB 288 or Federal Major Modification purposes is not required.

b. PE > 100 lb/day

Applications which include a new emissions unit with a PE greater than 100 pounds during any one day for any pollutant will trigger public noticing requirements. As seen in Section VII.C.2 above, this project does not include a new emissions unit which has daily emissions greater than 100 lb/day for any pollutant, therefore public noticing for PE > 100 lb/day purposes is not required.

The PE2 for this new unit is compared to the daily PE Public Notice thresholds in the following table:

PE > 100 lb/day Public Notice Thresholds			
Pollutant	PE2 (lb/day)	Public Notice Threshold	Public Notice Triggered?
NO _x	798.7	100 lb/day	Yes
SO _x	27.4	100 lb/day	No
PM ₁₀	31.7	100 lb/day	No
CO	201.6	100 lb/day	Yes
VOC	36.5	100 lb/day	No

Therefore, public noticing for PE > 100 lb/day purposes is required.

c. Offset Threshold

The SSPE1 and SSPE2 are compared to the offset thresholds in the following table.

Offset Thresholds				
Pollutant	SSPE1 (lb/year)	SSPE2 (lb/year)	Offset Threshold	Public Notice Required?
NO _x	0	47,923	20,000 lb/year	Yes
SO _x	0	1,642	54,750 lb/year	No
PM ₁₀	0	1,901	29,200 lb/year	No
CO	0	12,096	200,000 lb/year	No
VOC	0	2,189	20,000 lb/year	No

As detailed above, offset thresholds were surpassed for NO_x with this project; therefore public noticing is required for offset purposes.

d. SSIPE > 20,000 lb/year

Public notification is required for any permitting action that results in a SSIPE of more than 20,000 lb/year of any affected pollutant. According to District policy, the SSIPE = SSPE2 – SSPE1. The SSIPE is compared to the SSIPE Public Notice thresholds in the following table.

SSIPE Public Notice Thresholds					
Pollutant	SSPE2 (lb/year)	SSPE1 (lb/year)	SSIPE (lb/year)	SSIPE Public Notice Threshold	Public Notice Required?
NO _x	47,923	0	47,923	20,000 lb/year	Yes
SO _x	1,642	0	1,642	20,000 lb/year	No
PM ₁₀	1,901	0	1,901	20,000 lb/year	No
CO	12,096	0	12,096	20,000 lb/year	No
VOC	2,189	0	2,189	20,000 lb/year	No

As demonstrated above, the SSIPEs for NO_x was greater than 20,000 lb/year; therefore public noticing for SSIPE purposes is required.

2. Public Notice Action

As discussed above, public noticing is required for this project for NO_x emissions in excess of 100 lb/day and 20,000 lb/yr. Therefore, public notice documents will be submitted to the California Air Resources Board (CARB) and a public notice will be published in a local newspaper of general circulation prior to the issuance of the ATC for this equipment.

D. Daily Emission Limits (DELs)

Daily Emissions Limitations (DELs) and other enforceable conditions are required by Section 3.15 to restrict a unit's maximum daily emissions, to a level at or below the emissions associated with the maximum design capacity. Per Sections 3.15.1 and 3.15.2, the DEL must be contained in the latest ATC and contained in or enforced by the latest PTO and enforceable, in a practicable manner, on a daily basis. DELs are also required to enforce the applicability of BACT.

Proposed Rule 2201 (DEL) Conditions:

Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]

There shall be no visible emissions in excess of 5% opacity at receiving pits, stick reels, conveyors, conveyor transfer points or trash disposal operations. [District Rule 2201]

There shall be no visible emissions at dryers, conveyors, or aspirators cyclones exhausts. [District Rule 2201]

Daily natural gas consumption for twenty 20 MMBtu/hr column dryers shall not exceed 9.6 MMscf/day. [District Rule 2201] N

Annual natural gas consumption for twenty 20 MMBtu/hr column dryers shall not exceed 576 MMscf/year. [District NSR Rule] N

Emission rates from dryers listed above shall not exceed any of the following: PM10: 0.0025 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 0.0832 lb/MMBtu, VOC: 0.0038 lb/MMBtu, or CO: 0.021 lb/MMBtu. [District NSR Rule] N

Maximum emission rate of PM10 from each of high-efficiency precleaning cyclones listed above shall not exceed 0.08 lb/hr. [District NSR Rule] N

Precleaning operation shall not operate more than 1440 hours per year. [District Rule 2201] N

E. Compliance Assurance

Pursuant to District Policy APR 1705, source testing is not required to demonstrate compliance with Rule 2201.

1. Source Testing

Pursuant to District Policy APR 1705, source testing is required to demonstrate compliance with Rule 2201.

Source with non-combustion particulate emission sampling limit shall be demonstrated by District witnessed sample collection by independent testing laboratory if precleaner cyclones exhibit visible emissions in excess of 5% opacity. [District Rule 1081 & NSR Rule] N

Source testing for particulate emissions shall be performed within 60 days of District determination of excess visible emissions, test results shall be submitted to the District within 60 days thereafter. [District Rule 1081 & NSR Rule] N

Source testing to measure the concentration of particulate matters shall be conducted using EPA Method 5. [District NSR Rule & Rule 4201, 4.1] N

2. Monitoring

No monitoring is required to demonstrate compliance with Rule 2201.

Visible emissions at precleaner cyclones shall be inspected quarterly during operation. If visible emissions are observed to be in excess of 5% opacity, corrective action shall be taken to reduce opacity. [District Rule NSR Rule & 2520, 9.3.2] N

3. Record Keeping

Record keeping is required to demonstrate compliance with the offset, public notification and daily emission limit requirements of Rule 2201. The following condition(s) will appear on the permit to operate:

Permittee shall maintain records of the volume of fuel used each day and each year. [District Rules 1070 and 2201] N

Permittee shall maintain records of hours of operation of the precleaning cyclones. [District Rules 1070 and 2201] N

4. Reporting

No reporting is required to demonstrate compliance with Rule 2201.

F. Ambient Air Quality Analysis (AAQA)

An AAQA shall be conducted for the purpose of determining whether a new or modified Stationary Source will cause or make worse a violation of an air quality standard. The District's Technical Services Division conducted the required analysis. Refer to **Attachment VIII** of this document for the AAQA summary sheet.

The proposed location is in an attainment area for NO_x, CO, and SO_x. As shown by the AAQA summary sheet the proposed equipment will not cause a violation of an air quality standard for NO_x, CO, or SO_x.

The proposed location is in a non-attainment area for PM₁₀. The increase in the ambient PM₁₀ concentration due to the proposed equipment is shown on the table titled Calculated Contribution. The levels of significance, from 40 CFR Part 51.165 (b)(2), are shown on the table titled Significance Levels.

The results from the Criteria Pollutant Modeling are as follows:

Criteria Pollutant Modeling Results*

Values are in µg/m³

Steam Generator	1 Hour	3 Hours	8 Hours.	24 Hours	Annual
CO	Pass	X	Pass	X	X
NO _x	Fail ²	X	X	X	Fail ²
SO _x	Pass ¹	Pass	X	Pass	Pass
PM ₁₀	X	X	X	Fail ²	Fail ²
PM _{2.5}	X	X	X	Fail ²	Fail ²

*Results were taken from the attached PSD spreadsheet.

¹The project was compared to the 1-hour SO₂ National Ambient Air Quality Standard that became effective on August 23, 2010 using the District's approved procedures.

²Facility is fully offsetting the project PM and NO_x emissions as per District Rule 2201.

Please note that the entire amount of PM10 to must be offset to mitigate the impact of the project on the ambient air quality as reflected by the results of AAQA modeling.

Rule 4101 Visible Emissions

Per Section 5.0, no person shall discharge into the atmosphere emissions of any air contaminant aggregating more than 3 minutes in any hour which is as dark as or darker than Ringelmann 1 (or 20% opacity).

The pre-cleaning lines proposed in this project will have PM₁₀ emissions of 0.08 lb/hr; therefore, visible emissions are not expected to exceed Ringelmann 1 or 20% opacity and continued compliance with the requirements of this rule is expected.

Rule 4102 Nuisance

Rule 4102 prohibits discharge of air contaminants which could cause injury, detriment, nuisance or annoyance to the public. Public nuisance conditions are not expected as a result of these operations, provided the equipment is well maintained. Therefore, compliance with this rule is expected.

California Health & Safety Code 41700 (Health Risk Assessment)

District Policy APR 1905 – *Risk Management Policy for Permitting New and Modified Sources* specifies that for an increase in emissions associated with a proposed new source or modification, the District perform an analysis to determine the possible impact to the nearest resident or worksite.

An HRA is not required for a project with a total facility prioritization score of less than or equal to one. According to the Technical Services Memo for this project (**Attachment VIII**), the total facility prioritization score including this project was less than or equal to one. Therefore, no future analysis is required to determine the impact from this project and compliance with the District's Risk Management Policy is expected.

Rule 4201 Particulate Matter Concentration

Section 3.1 of this rule prohibits the discharge of dust, fumes, or total suspended particulate matter emission in excess of 0.1 grain per cubic foot of gas at dry standard conditions. Because the proposed cyclones are expected to be sources of non-combustion PM₁₀ emissions with an emission rate of 0.08 lb/hr, continued compliance with the requirements of Rule 4201 is expected.

Rule 4202 Particulate Matter Emission Rate

This proposal includes the installation of pre-cleaning lines that are handling nuts recently removed from the trees and they are not expected to have PM₁₀ emissions; therefore, continued compliance with the requirements of Rule 4202 is expected.

Rule 4301 Fuel Burning Equipment

Section 3.1 defines Fuel Burning Equipment as any furnace, boiler, apparatus, stack, and all appurtenances thereto, used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. The dryers associated with this process are direct heat transfer units; therefore, the requirements of this rule are not applicable to this permit unit.

Rule 4309 *Dryers, Dehydrators, and Ovens*

Section 4.1.1 exempts column-type or tower dryers used to dry grains or tree nuts. The dryers to be installed at the Madera facility are column-type dryers used to dry pistachios; therefore, they are not subject to the requirements of this rule.

Rule 4801 *Sulfur Compounds*

A person shall not discharge into the atmosphere sulfur compounds, which would exist as a liquid or gas at standard conditions, exceeding in concentration at the point of discharge: 0.2 % by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes.

Using the ideal gas equation and the emission factors presented in Section VII, the sulfur compound emissions are calculated as follows:

$$\text{Volume SO}_2 = \frac{n RT}{P}$$

Where:

n = moles SO₂

$$R \text{ (Universal Gas Constant)} = \frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb} \cdot \text{mol} \cdot ^\circ\text{R}}$$

$$T \text{ (Standard Temperature)} = 60^\circ\text{F} = 520^\circ\text{R}$$

$$P \text{ (Standard Pressure)} = 14.7 \text{ psi}$$

EPA F-Factor for Natural Gas: 8,710 dscf/MMBtu at 68°F

$$\text{Corrected } F - \text{factor} = \left(\frac{8,710 \text{ dscf}}{\text{MMBtu}} \right) \times \left(\frac{60^\circ\text{F} + 459.6}{68^\circ\text{F} + 459.6} \right) = 8,578 \frac{\text{dscf}}{\text{MMBtu}} \text{ at } 60^\circ\text{F}$$

$$\frac{0.00285 \text{ lb} - \text{SO}_x}{\text{MMBtu}} \times \frac{\text{MMBtu}}{8,578 \text{ dscf}} \times \frac{1 \text{ lb} \cdot \text{mol}}{64 \text{ lb}} \times \frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb} \cdot \text{mol} \cdot ^\circ\text{R}} \times \frac{520^\circ\text{R}}{14.7 \text{ psi}} \times \frac{1,000,000 \cdot \text{parts}}{\text{million}} = 1.97 \frac{\text{parts}}{\text{million}}$$

$$\text{Sulfur Concentration} = 1.97 \frac{\text{parts}}{\text{million}} < 2,000 \text{ ppmv (or 0.2\%)}$$

Therefore compliance with District Rule 4801 requirements is expected.

California H&S Code, Section 41700

This project does not propose an increase in permitted emissions for the stationary source. The facility is not located near sensitive receptors; therefore, continued operation of the hulling and drying operation, as allowed, is not expected to cause injury, detriment,

nuisance, or annoyance to any considerable number of persons or to the public. In addition, this project will not endanger the comfort, repose, health, or safety of any such persons or the public, and it will not cause, or have a natural tendency to cause injury or damage to business or property. Therefore, continued compliance with this regulation is expected.

California H&S Code, Section 42301.6

The equipment covered by this application is located more than 1,000 feet from any school; therefore, continued compliance with this regulation is expected.

California Environmental Quality ACT (CEQA)

The California Environmental Quality Act (CEQA) requires each public agency to adopt objectives, criteria, and specific procedures consistent with CEQA Statutes and the CEQA Guidelines for administering its responsibilities under CEQA, including the orderly evaluation of projects and preparation of environmental documents. The San Joaquin Valley Unified Air Pollution Control District (District) adopted its *Environmental Review Guidelines* (ERG) in 2001. The basic purposes of CEQA are to:

- Inform governmental decision-makers and the public about the potential, significant environmental effects of proposed activities.
- Identify the ways that environmental damage can be avoided or significantly reduced.
- Prevent significant, avoidable damage to the environment by requiring changes in projects through the use of alternatives or mitigation measures when the governmental agency finds the changes to be feasible.
- Disclose to the public the reasons why a governmental agency approved the project in the manner the agency chose if significant environmental effects are involved.

The County of Madera (County) is the public agency having principal responsibility for approving the project. As such, the County served as the Lead Agency (CCR §15367). In approving the project, the Lead Agency prepared and adopted a Mitigated Negative Declaration. The Lead agency filed a Notice of Determination, stating that the environmental document was adopted pursuant to the provisions of CEQA and concluding that the project would not have a significant effect on the environment.

The District is a Responsible Agency for the project because of its discretionary approval power over the project via its Permits Rule (Rule 2010) and New Source Review Rule (Rule 2201), (CCR §15381). As a Responsible Agency the District complies with CEQA by considering the environmental document prepared by the Lead Agency, and by reaching its own conclusion on whether and how to approve the project (CCR §15096).

The District has considered the Lead Agency's environmental document. Furthermore, the District has conducted an engineering evaluation of the project, this document, which demonstrates that Stationary Source emissions from the project would be below the District's thresholds of significance for criteria pollutants. Thus, the District finds that

through a combination of project design elements, compliance with applicable District rules and regulations, and compliance with District air permit conditions, project specific stationary source emissions will have a less than significant impact on air quality. The District does not have authority over any of the other project impacts and has, therefore, determined that no additional findings are required (CEQA Guidelines §15096(h)).

IX. Recommendation

Compliance with all applicable rules and regulations is expected. Pending a successful public comment period, issue Authority to Construct C-8347-1-0 subject to the permit conditions on the attached draft Authority to Construct in **Attachment IX**.

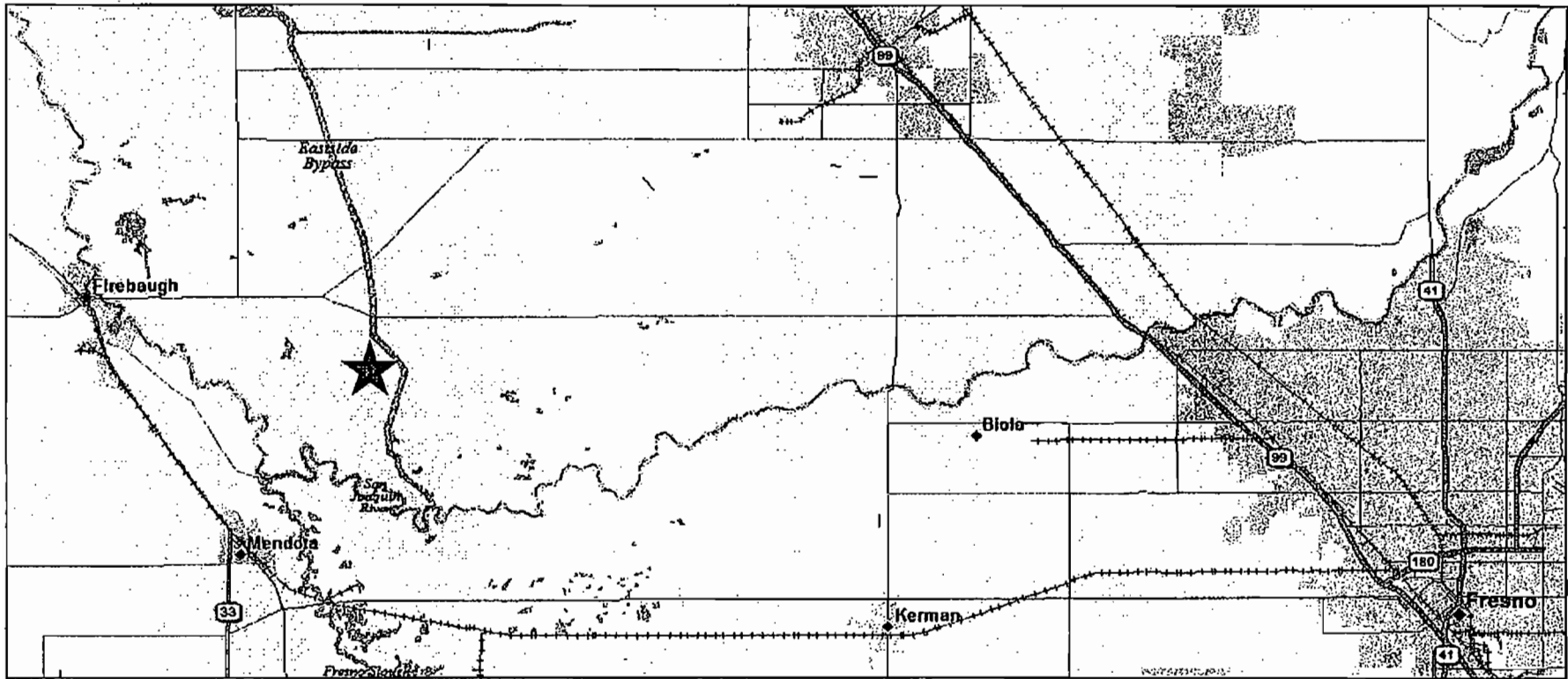
X. Billing Information

Annual Permit Fees			
Permit Number	Fee Schedule	Fee Description	Annual Fee
C-8347-1	3020-02-H	400 MMBtu/hr	\$1030.00

Attachments

- I: Location Map
- II: Facility Plot Plan
- III: Product Flow Diagram
- IV: Manufacturer's Information on GSI Dryers and cyclones
- V: Emissions Profile
- VI: BACT Guideline
- VII: BACT Analysis
- VIII: HRA and AAQA
- IX: Draft ATC

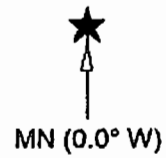
ATTACHMENT I
Location Map



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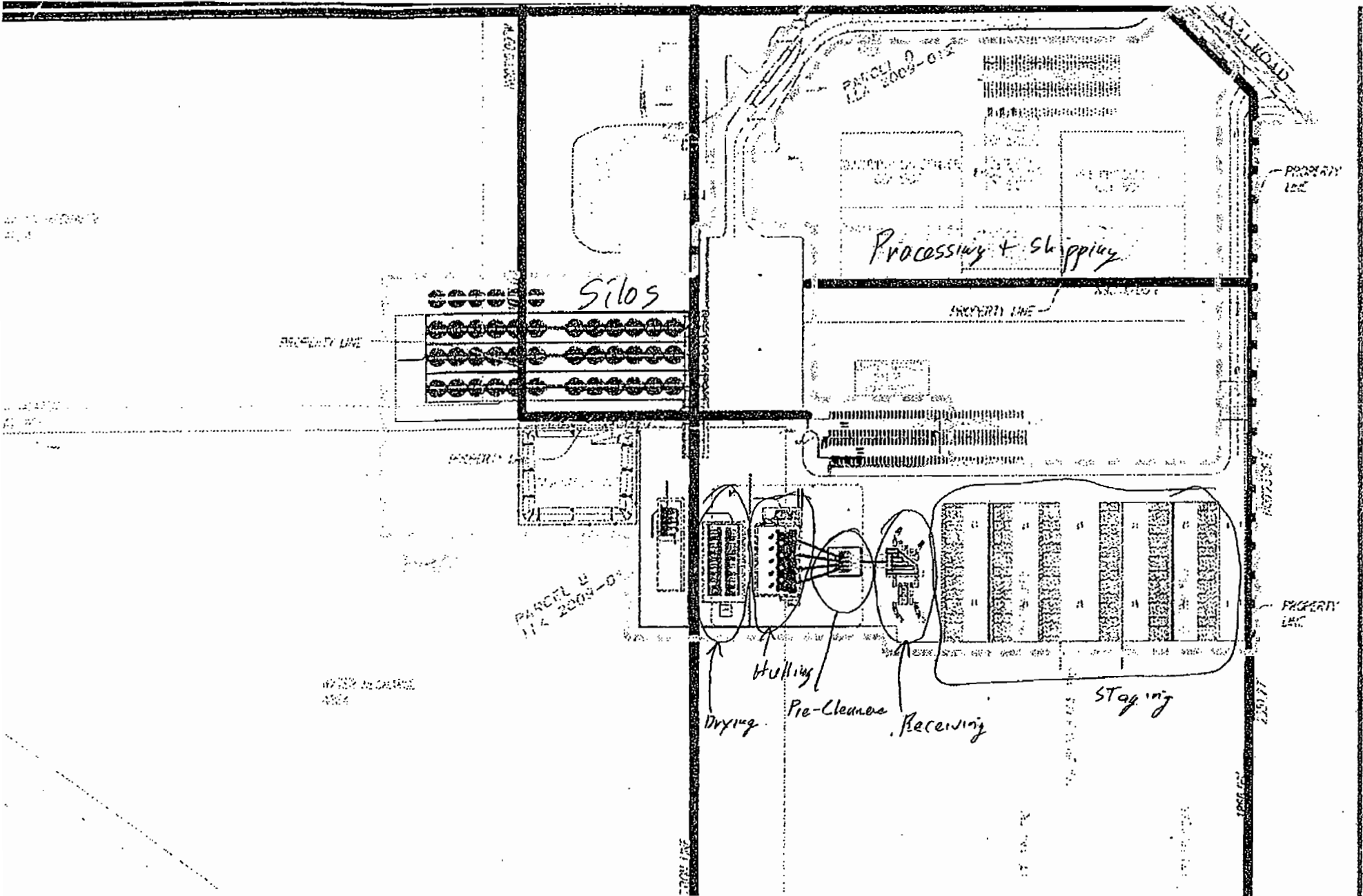
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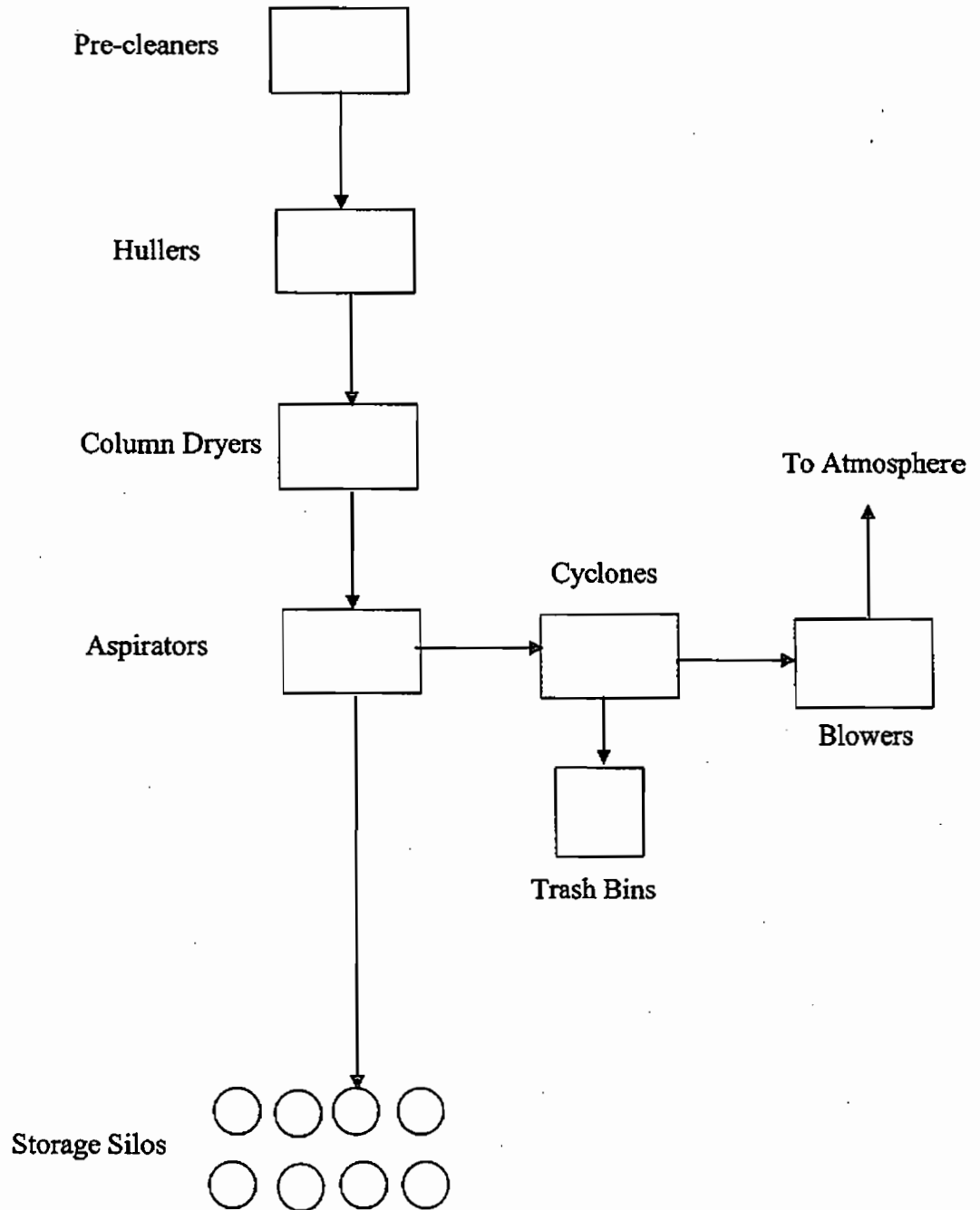
Data Zoom 9-4

ATTACHMENT II
Facility Plot Plan

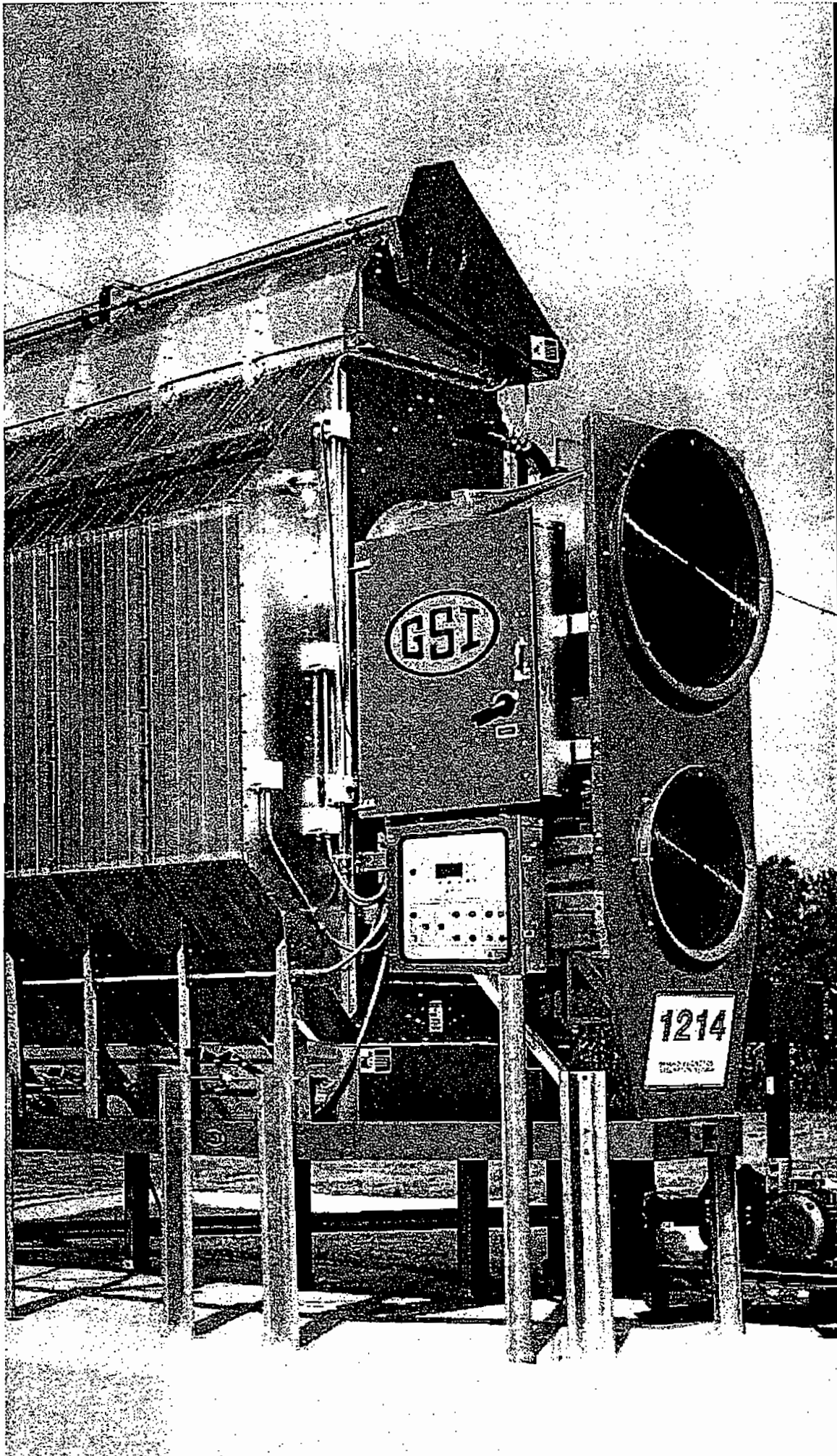


ATTACHMENT III
Product Flow Diagram

Product Flow Diagram



ATTACHMENT IV
Manufacturer's Information of GSI Dryers and Cyclones



Portable Grain Dryers



"Your Complete
Systems
Manufacturer."

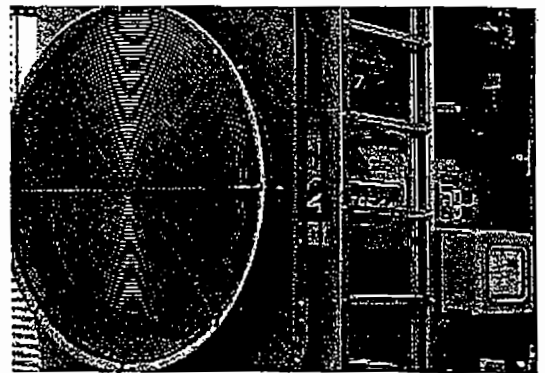
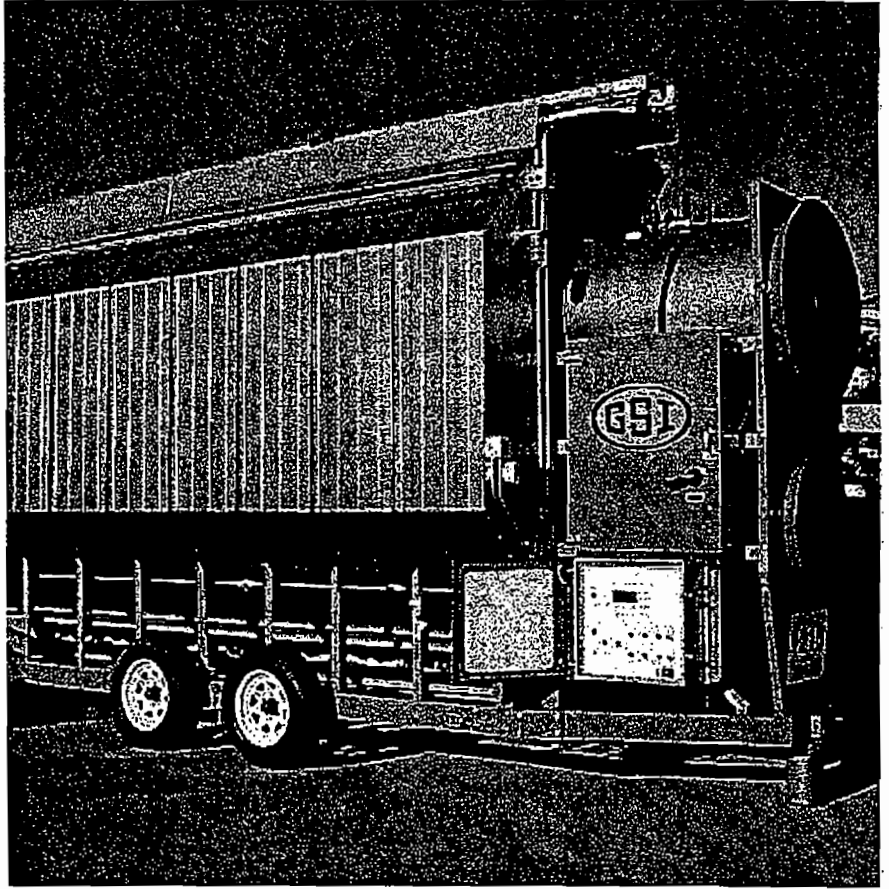
GSI products are manufactured throughout facilities located in Assumption, Newton, Paris, and Vandalia, Illinois. GSI utilizes some of the most advanced engineering and production equipment in the industry. With over 25 years experience in the agricultural equipment business, GSI has all the resources and experience necessary to meet your specific needs.

The GSI division of The GSI Group, Inc. offers a complete line of grain drying, conditioning and handling equipment for a variety of requirements.

High Efficiency

The high efficiency, one-piece fan and heater unit utilizes only low speed, low noise fans, while providing optimum heated air flow for every drying application. All units use fiberglass reinforced polypropylene fans that feature an extremely low starting load, high air flow across a wide static pressure range, precise balance and quiet operation.

There are ten different fan configurations to provide optimum air flow for all dryer models. An Electronic Ignition System is used to monitor the burner. A view window is used to observe burner operation. The Optimizer Blue Burn System is standard on all LP models. This assures energy efficient burner operation for all fuel mixes. The easy to adjust vaporizer; large service access door and oil filled gas gauges make the GSI fan and heater unit the best on the market.

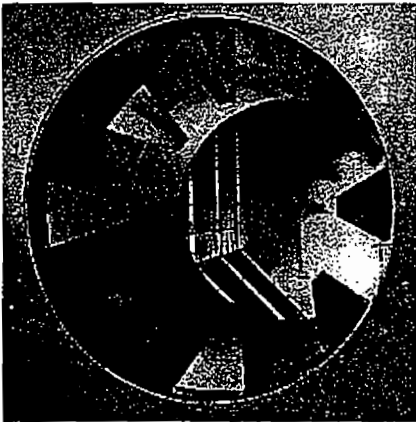


Basket Features

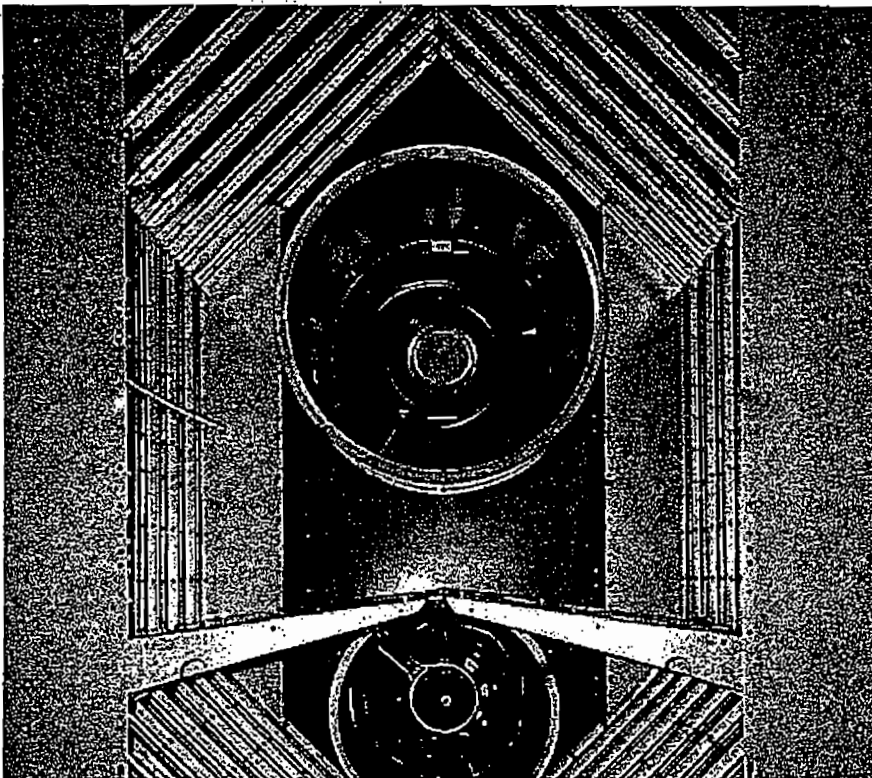
The dryer offers several unique basket features. The wet bin is perforated to preheat the grain and to allow visual inspection of the grain flow. The 14'6" low profile, overall height permits easy set up into existing installations.

Other features include:

- 3-piece outer screens, stainless steel optional
- Double galvanized steel dryer screens (G165, 2 ounce nominally applied galvanizing)



GSI dryers use 14" wide grain columns to hold the maximum amount of grain while assuring even, efficient drying from the inside to the outside of the column. Each plenum chamber also has an air mixing chamber to mix the air and heat, and to shield the grain columns from direct contact with the burner flame. Multiple heat zones in two-fan dryers and larger put the hottest air on the highest moisture grain.



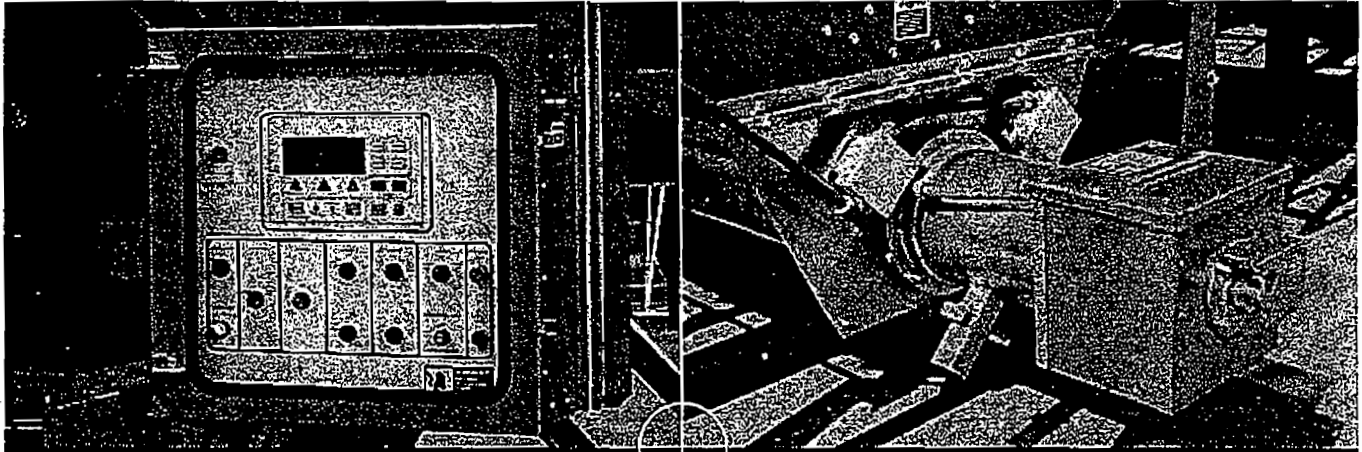
Features

- Large square rear entry doors
- Adjustable metering roll gates
- Large hinged unload auger covers
- Solid column dividers every two feet
- Sliding bypass doors to empty columns past metering rolls
- Hinged access and cleanout doors out side of metering rolls
- Hardened extruded aluminum meter rolls
- Commercial SCR, gear driven, single chain metering roll drive
- Easy access unload auger cleanout doors
- All parts associated with the meter rolls are galvanized, not painted steel

features

The computerized display of the Network Control System.

The rear discharge shutdown switch.



Network Controls

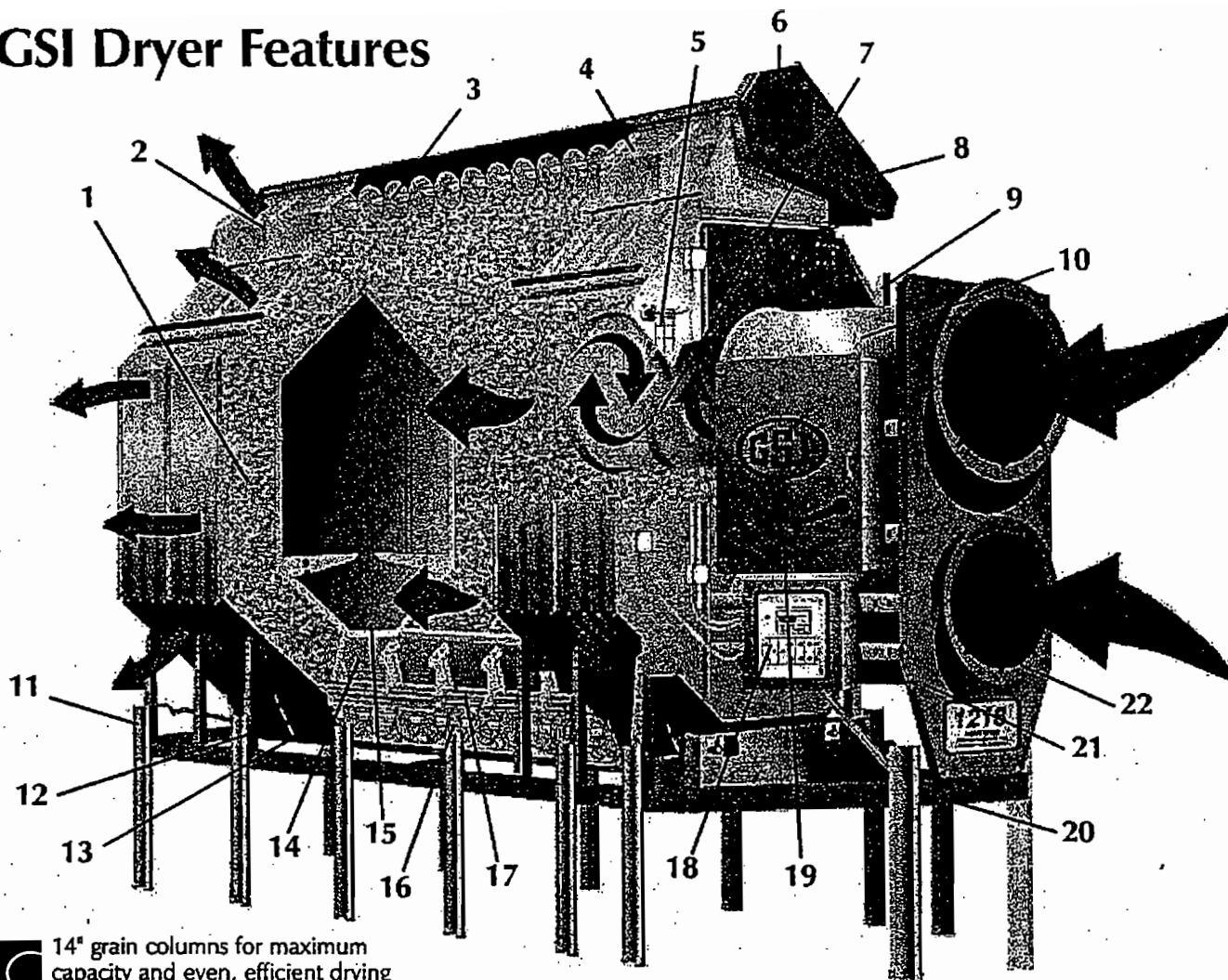
The patented Network Control System from GSI offers computerized control of all dryer functions. This "smart" system eliminates guesswork by relaying instant information to the operator via a large backlit LCD display. The memory features in the unit maintain a history of past dryer operation and a permanent service record. The Network Control System also calculates total dryer time, bushels per hour and total bushels dried. It eliminates 99% of all moving parts in the control box, such as troublesome timers, mechanical relays and time delays.

When stacking a dryer, the number of control wires has been greatly reduced to ease operation. GSI has reduced the number of control wires to connect from over 100 down to five.

Ease of Operation

The simplification of dryer operation provides a safe, trouble free dryer. GSI dryers feature totally computerized 12 volt DC safety system with the capability of monitoring a comprehensive set of safety controls. Each drying chamber is equipped with temperature high limit controls and air pressure sensors. Fan housing temperature limit, vaporizer temperature limit, metering roll rotation and flame detection are monitored as well. The dryer is equipped with a rear discharge shutdown switch. GSI's exclusive memory monitor allows the last 256 safety shutdowns to be recalled, along with time, date and cause of shutdown.

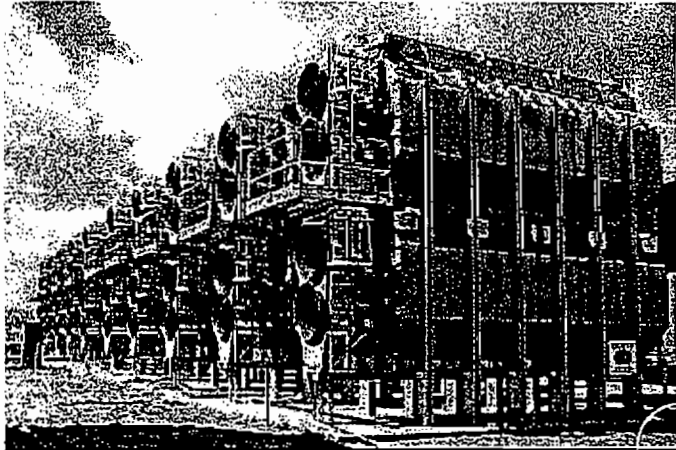
GSI Dryer Features



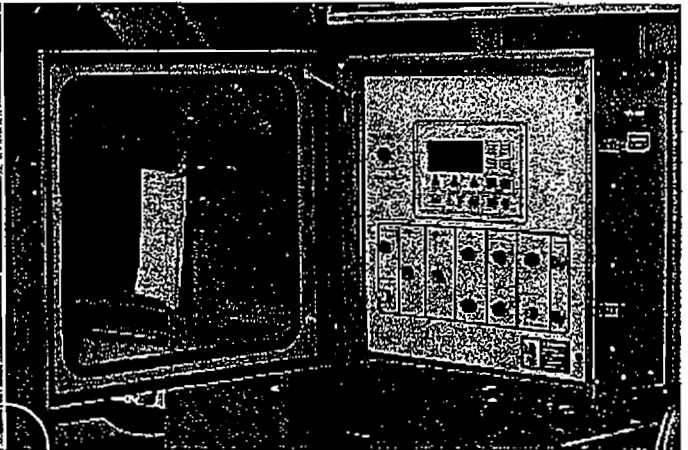
- 14" grain columns for maximum capacity and even, efficient drying**
- Low profile wet bin allows dryer to fit in places others can't**
- Level auger mounted on oil impregnated wood hanger bearings aids in long life and dependability**
- Perforated wet bin enhances preheating and allows visual inspection of grain environment**
- Work light, doubles as a shut down indicator**
- The auger drive pulley is visible through the perforated cover, to verify operation**
- Air mixing chambers thoroughly mix heat and air before it enters the drying chamber**
- Turnbuckle belt tightener**
- Ladder for easy access with toe clearance for easy climbing**
- All galvanized fan housing eliminates rust and corrosion**
- Exclusive, optional galvanized support legs**
- Column access doors allow for easy, fast column unloading if necessary, and access to meter**
- Clean out doors allow easy cleaning of bottom auger**
- On 2 fan models or larger, doors are perforated to eliminate pressure build up on lower auger chamber when pneumatic system is used**
- Adjustable gates regulate grain flow, eliminate column plugging and allow manual column emptying**
- Large 15" door for access to unload auger**
- Heavy 8" auger with 1/4" flighting for fast unloading and longer life**
- Full length, hardened, extruded aluminum meter rolls with over the top operation to ensure gentle, accurate grain flow and low horsepower**
- State of the art network control system for trouble-free operation**
- Can be easily remote mounted with only 7 small communication wires**
- "Watchdog" option may be added to enable monitoring of the dryer on a home computer**
- Safety disconnect circuit breaker for safe, economical installation**
- All painted items on the dryer are powder coated for a longer life**
- Airswitch checks for air pressure**
- All low speed fan blades for less noise**

versatility

Pistachio Facility - California.



The computerized display of the networking control system



"Smart" Choice

When you purchase a GSI portable dryer you can be assured you are getting the best product on the market. Not only because of quality, but the versatility. All models have the capability of expanding by stacking additional modules on the existing dryer. GSI products are sold and serviced by a network of dealers who are ready to answer any questions or to help if you need technical assistance. We think you'll agree, GSI dryers are the "smart" choice for grain drying efficiency.

Control Box

The computerized controls are housed in an all galvanized control box that features double sealed doors and no-weld construction. All dryer operations can be viewed through UV protected safety glass. All electronics are extensively protected against electrical spikes and surges. There is also a main safety disconnect circuit breaker located on the outside of the main control box. All temperatures on the dryer can be monitored and adjusted from the ground at the main control box. Auxiliary load and unload connections are provided. It is designed to be the ultimate protection for computerized components in a rugged grain drying environment.

Specifications 1100 Series Dryers

	1108	1110	1112	1114	1116
DRYING CAPACITY, SHELLD CORN¹					
Dry and Cool 25% to 15%	130 BPH	165 BPH	220 BPH	260 BPH	280 BPH
Dry and Cool 20% to 15%	170 BPH	220 BPH	290 BPH	340 BPH	370 BPH
Full Heat 30% to 15% ²	150 BPH	190 BPH	255 BPH	300 BPH	320 BPH
Full Heat 25% to 15% ³	205 BPH	260 BPH	345 BPH	405 BPH	440 BPH
Full Heat 20% to 15% ⁴	335 BPH	420 BPH	560 BPH	650 BPH	710 BPH
Grain Columns	14' x 8' Long	14' x 10' Long	14' x 12' Long	14' x 14' Long	14' x 16' Long
Total Holding Capacity	190 BU	238 BU	327 BU	381 BU	436 BU
Grain Column Holding Capacity	160 BU	200 BU	282 BU	329 BU	376 BU
Top Auger (Loading)	8", 1.5 HP	8", 2 HP	8", 2 HP	8", 3 HP	8", 5 HP
Capacity	2900 BPH	2900 BPH	2900 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)	8" x 10" Tube, 1 HP	8" x 10" Tube, 1.5 HP	8" x 10" Tube, 1.5 HP	8" x 10" Tube, 3 HP	8" x 10" Tube, 5 HP
Meter Roll Drive	SCR, 1/3 HP	SCR, 1/3 HP	SCR, 1/3 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1120 BPH	1400 BPH	1680 BPH	1960 BPH	2240 BPH
Transport Length (Hitch to Discharge Auger)	17'-2"	19'-2"	21'-2"	23'-2"	25'-2"
Transport Width	8'	8'	8'	8'	8'
Transport Height ³	11'-11" (10'-3")	11'-11" (10'-3")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Transport Weight (approx.) (Less Transport Kit)	4300 lbs.	5000 lbs.	6300 lbs.	7000 lbs.	7500 lbs.
Installed Length	15'-2"	17'-2"	19'-2"	21'-2"	23'-2"
Installed Width	8'	8'	8'	8'	8'
Installed Height (Excluding Foundation Supports)	13'	13'	14'-6"	14'-6"	14'-6"
Fans 1 PH	10-12 HP, 28"	10-12 HP, 36"	15 HP, 36"	15 HP, 40"	15 HP, 40"
3 PH	10-12 HP, 28"	10-12 HP, 36"	15 HP, 36"	15 HP, 42"	15 HP, 42"
Heaters (Max BTU)	3.0 Mil.btu/hr	3.5 Mil.btu/hr	4.5 Mil.btu/hr	5.75 Mil.btu/hr	5.75 Mil.btu/hr
ELECTRIC LOAD (FAN, TOP AUG., BOT. AUG.)⁴					
Single Phase, 230 V.	63 Amps	71 Amps	85 Amps	98 Amps	108 Amps
Three Phase, 230 V.	42 Amps	42 Amps	50 Amps	56 Amps	65 Amps
Three Phase, 380 V.	22 Amps	23 Amps	33 Amps	36 Amps	44 Amps
Three Phase, 460 V.	21 Amps	23 Amps	25 Amps	28 Amps	33 Amps
Three Phase, 575 V.	18 Amps	16 Amps	20 Amps	23 Amps	27 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load-less auxiliary auger motors.



Specifications 1100 Series Dryers

	1118	1120	1122	1126
DRYING CAPACITY, SHELLED CORN¹				
Dry and Cool 25% to 15%	320 BPH	360 BPH	390 BPH	455 BPH
Dry and Cool 20% to 15%	430 BPH	475 BPH	520 BPH	605 BPH
Full Heat 30% to 15% ²	380 BPH	415 BPH	460 BPH	540 BPH
Full Heat 25% to 15% ²	505 BPH	560 BPH	610 BPH	715 BPH
Full Heat 20% to 15% ²	815 BPH	905 BPH	990 BPH	1155 BPH
Grain Columns	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long
Total Holding Capacity	490 BU	544 BU	599 BU	708 BU
Grain Column Holding Capacity	423 BU	470 BU	517 BU	611 BU
Top Auger (Loading)	8", 5 HP	8", 7.5 HP	8", 7.5 HP	8", 10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)	8" x 10" Tube, 5 HP	8" x 10" Tube, 7.5 HP	8" x 10" Tube, 7.5 HP	8" x 10" Tube, 10 HP
Meter Roll Drive	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length (Hitch to Discharge Auger)	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width	8'	8'	8'	8'
Transport Height ³	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Transport Weight (approx.) (Less Transport Kit)	8000 lbs.	8700 lbs.	9000 lbs.	11000 lbs.
Installed Length	25'-2"	27'-2"	29'-2"	33'-2"
Installed Width	8'	8'	8'	8'
Installed Height (Excluding Foundation Supports)	14'-6"	14'-6"	14'-6"	14'-6"
Fans 1 PH	N/A	N/A	N/A	N/A
3 PH	20 HP, 42"	25 HP, 42"	30 HP, 42"	40 HP, 42"
Heaters (Max BTU)	6.75 Mil.btu/hr	7.5 Mil.btu/hr	8.75 Mil.btu/hr	10.25 Mil.btu/hr
ELECTRIC LOAD (FAN, TOP AUG., BOT. AUG.)⁴				
Single Phase, 230 V.	N/A	N/A	N/A	N/A
Three Phase, 230 V.	80 Amps	104 Amps	114 Amps	150 Amps
Three Phase, 380 V.	49 Amps	68 Amps	75 Amps	88 Amps
Three Phase, 460 V.	40 Amps	52 Amps	57 Amps	75 Amps
Three Phase, 575 V.	32 Amps	42 Amps	46 Amps	61 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



Specifications 1200 Series Dryers

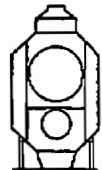
	1214	1216	1218	1220	1222	1226
DRYING CAPACITY, SHELLED CORN¹						
Dry and Cool 25% to 15%	250 BPH	290 BPH	315 BPH	345 BPH	395 BPH	450 BPH
Dry and Cool 20% to 15%	400 BPH	465 BPH	505 BPH	560 BPH	640 BPH	725 BPH
Full Heat 30% to 15% ²	335 BPH	380 BPH	415 BPH	436 BPH	485 BPH	545 BPH
Full Heat 25% to 15% ²	415 BPH	475 BPH	520 BPH	590 BPH	650 BPH	730 BPH
Full Heat 20% to 15% ²	680 BPH	765 BPH	840 BPH	950 BPH	1055 BPH	1180 BPH
Grain Columns	14" x 14' Long	14" x 16' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long
Total Holding Capacity	381 BU	436 BU	490 BU	544 BU	599 BU	708 BU
Grain Column Holding Capacity	329 BU	376 BU	423 BU	470 BU	517 BU	611 BU
Top Auger (Loading)	8", 5 HP	8", 5 HP	8", 5 HP	8", 7.5 HP	8", 7.5 HP	8", 10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)	5 HP	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Meter Roll Drive	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1960 BPH	2240 BPH	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length (Hitch to Discharge Auger)	23'-2"	25'-2"	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width	8'	8'	8'	8'	8'	8'
Transport Height ³	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Transport Weight (approx.) (Less Transport Kit)	7600 lbs.	8200 lbs.	9000 lbs.	9800 lbs.	10500 lbs.	12000 lbs.
Installed Length	21'-2"	23'-2"	25'-2"	27'-2"	29'-2"	33'-2"
Installed Width	8'	8'	8'	8'	8'	8'
Installed Height (Excluding Foundation Supports)	14'-6"	14'-6"	14'-6"	14'-6"	14'-6"	14'-6"
Fans 1 PH	1@10-12 HP, 36"	1@15 HP, 36"	1@15 HP, 36"	1@15 HP, 40"	N/A	N/A
	1@10-12 HP, 26"	1@10-12 HP, 26"	1@10-12 HP, 26"	1@10-12 HP, 28"	N/A	N/A
3 PH	1@10-12 HP, 36"	1@15 HP, 36"	1@15 HP, 36"	1@15 HP, 42"	1@20 HP, 42"	1@25 HP, 42"
	1@10-12 HP, 26"	1@10-12 HP, 26"	1@10-12 HP, 26"	1@10-12 HP, 28"	1@10-12 HP, 28"	1@10-12 HP, 28"
Heaters (Max BTU)	1@3.5 Mil.btu/hr 1@2.7 Mil.btu/hr	1@4.5 Mil.btu/hr 1@2.7 Mil.btu/hr	1@4.5 Mil.btu/hr 1@2.7 Mil.btu/hr	1@5.5 Mil.btu/hr 1@3.0 Mil.btu/hr	1@6.75 Mil.btu/hr 1@3.0 Mil.btu/hr	1@7.5 Mil.btu/hr 1@3.0 Mil.btu/hr
ELECTRIC LOAD (FAN, TOP AUG., BOT. AUG.)⁴						
Single Phase, 230 V.	142 Amps	156 Amps	156 Amps	172 Amps	N/A	N/A
Three Phase, 230 V.	92 Amps	99 Amps	99 Amps	112 Amps	126 Amps	150 Amps
Three Phase, 380 V.	50 Amps	61 Amps	61 Amps	70 Amps	75 Amps	90 Amps
Three Phase, 460 V.	47 Amps	50 Amps	50 Amps	57 Amps	63 Amps	75 Amps
Three Phase, 575 V.	37 Amps	42 Amps	42 Amps	47 Amps	52 Amps	61 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



Specifications 1200S Series Dryers

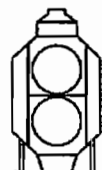
	1214S	1218S	1220S	1222S	1226S
DRYING CAPACITY, SHELLD CORN¹					
Dry and Cool 25% to 15% Staged Batch	260 BPH	345 BPH	395 BPH	430 BPH	530 BPH
Dry and Cool 20% to 15% Staged Batch	360 BPH	450 BPH	520 BPH	565 BPH	700 BPH
Dry and Cool 25% to 15%	200 BPH	240 BPH	280 BPH	300 BPH	375 BPH
Dry and Cool 20% to 15%	325 BPH	385 BPH	445 BPH	485 BPH	600 BPH
Full Heat 30% to 15% ²	305 BPH	395 BPH	455 BPH	495 BPH	620 BPH
Full Heat 25% to 15% ²	450 BPH	535 BPH	615 BPH	670 BPH	820 BPH
Full Heat 20% to 15% ²	725 BPH	860 BPH	990 BPH	1080 BPH	1330 BPH
Basic Construction					
	1 Module	1 Module	1 Module	1 Module	1 Module
	2 Stages	2 Stages	2 Stages	2 Stages	2 Stages
Grain Columns					
	14' x 14' Long	14' x 18' Long	14' x 20' Long	14' x 22' Long	14' x 26' Long
Total Holding Capacity	381 BU	490 BU	544 BU	599 BU	708 BU
Grain Column Holding Capacity	329 BU	423 BU	470 BU	517 BU	611 BU
Top Auger (Loading)					
	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)					
	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Meter Roll Drive					
	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1960 BPH	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length					
(Hitch to Discharge Auger)	23'-2"	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width	8'	8'	8'	8'	8'
Transport Height ³	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Installed Length					
	21'-2"	25'-2"	27'-2"	30'-2"	33'-2"
Installed Width					
	8'-8"	8'-8"	8'-8"	8'-8"	8'-8"
Installed Height					
(Excluding Foundation Supports)	14'-6"	14'-6"	14'-6"	14'-6"	14'-6"
Fans					
1 PH	2@10-12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	N/A
3 PH	2@10-12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	2@25 HP, 40"
Heaters (Max BTU)					
	2@3.0 Mil.btu/hr	2@3.5 Mil.btu/hr	2@4.5 Mil.btu/hr	2@4.5 Mil.btu/hr	2@6.75 Mil.btu/hr
ELECTRIC LOAD					
(FAN, TOP AUG., BOT. AUG.)⁴					
Single Phase, 230 V.	142 Amps	142 Amps	186 Amps	186 Amps	N/A
Three Phase, 230 V.	93 Amps	93 Amps	118 Amps	118 Amps	180 Amps
Three Phase, 380 V.	50 Amps	50 Amps	80 Amps	80 Amps	115 Amps
Three Phase, 460 V.	47 Amps	47 Amps	60 Amps	60 Amps	90 Amps
Three Phase, 575 V.	40 Amps	33 Amps	48 Amps	48 Amps	72 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



Specifications 2300 Series Dryers

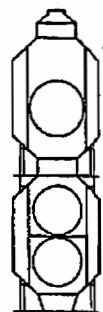
	2314	2318	2320	2322	2326
DRYING CAPACITY, SHELLED CORN¹					
Dry and Cool 25% to 15%	615 BPH	770 BPH	850 BPH	930 BPH	1130 BPH
Dry and Cool 20% to 15%	995 BPH	1235 BPH	1375 BPH	1500 BPH	1835 BPH
Full Heat 30% to 15% ²	670 BPH	830 BPH	925 BPH	1010 BPH	1200 BPH
Full Heat 25% to 15% ²	900 BPH	1120 BPH	1245 BPH	1355 BPH	1670 BPH
Full Heat 20% to 15% ²	1455 BPH	1805 BPH	2010 BPH	2195 BPH	2700 BPH
Basic Construction					
	2 Modules	2 Modules	2 Modules	2 Modules	2 Modules
	4 Stages	4 Stages	4 Stages	4 Stages	4 Stages
Grain Columns					
	14' x 14' Long	14' x 18' Long	14' x 20' Long	14' x 22' Long	14' x 26' Long
Total Holding Capacity	731 BU	940 BU	1044 BU	1149 BU	1304 BU
Grain Column Holding Capacity	679 BU	873 BU	970 BU	1067 BU	1261 BU
Top Auger (Loading)					
	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)					
	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Meter Roll Drive					
	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1960 BPH	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length					
(Hitch to Discharge Auger)	23'-2"	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width					
	8'	8'	8'	8'	8'
Transport Height³					
	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Installed Length					
	23'-10"	27'-10"	29'-10"	31'-10"	35'-10"
Installed Width					
	8'-8"	8'-8"	8'-8"	8'-8"	8'-8"
Installed Height					
(Excluding Foundation Supports)	25'-11"	25'-11"	25'-11"	25'-11"	25'-11"
Fans 1 PH					
	2@15 HP, 40"	N/A	N/A	N/A	N/A
	2@10-12 HP, 28"	N/A	N/A	N/A	N/A
3 PH					
	1@15 HP, 42"	1@20 HP, 42"	1@25 HP, 42"	1@30 HP, 42"	1@40 HP, 42"
	2@10-12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	2@25 HP, 40"
Heaters (Max BTU)					
	1@5.5 Mil.btu/hr	1@6.75 Mil.btu/hr	1@7.5 Mil.btu/hr	1@8.75 Mil.btu/hr	1@10.75 Mil.btu/hr
	2@3.0 Mil.btu/hr	2@3.5 Mil.btu/hr	2@4.5 Mil.btu/hr	2@4.5 Mil.btu/hr	2@6.75 Mil.btu/hr
ELECTRIC LOAD					
(FAN, TOP AUG., BOT. AUG.)⁴					
Single Phase, 230 V.	204 Amps	N/A	N/A	N/A	N/A
Three Phase, 230 V.	132 Amps	146 Amps	182 Amps	192 Amps	278 Amps
Three Phase, 380 V.	77 Amps	82 Amps	122 Amps	129 Amps	172 Amps
Three Phase, 460 V.	66 Amps	73 Amps	91 Amps	96 Amps	139 Amps
Three Phase, 575 V.	56 Amps	54 Amps	74 Amps	78 Amps	112 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



Specifications 2400 Series Dryers

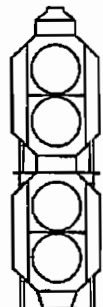
	2414	2418	2420	2422	2426
DRYING CAPACITY, SHELLED CORN¹					
Dry and Cool 25% to 15%	615 BPH	770 BPH	850 BPH	930 BPH	1130 BPH
Dry and Cool 20% to 15%	995 BPH	1235 BPH	1375 BPH	1500 BPH	1835 BPH
Full Heat 30% to 15% ²	670 BPH	830 BPH	925 BPH	1010 BPH	1200 BPH
Full Heat 25% to 15% ²	900 BPH	1120 BPH	1245 BPH	1355 BPH	1670 BPH
Full Heat 20% to 15% ²	1455 BPH	1805 BPH	2010 BPH	2195 BPH	2700 BPH
Basic Construction	2 Modules 4 Stages	2 Modules 4 Stages	2 Modules 4 Stages	2 Modules 4 Stages	2 Modules 4 Stages
Grain Columns	14' x 14' Long	14' x 18' Long	14' x 20' Long	14' x 22' Long	14' x 26' Long
Total Holding Capacity	731 BU	940 BU	1044 BU	1149 BU	1340 BU
Grain Column Holding Capacity	679 BU	873 BU	970 BU	1067 BU	1261 BU
Top Auger (Loading)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Meter Roll Drive	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1960 BPH	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length (Hitch to Discharge Auger)	23'-2"	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width	8'	8'	8'	8'	8'
Transport Height ³	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Installed Length	23'-10"	27'-10"	29'-10"	31'-10"	35'-10"
Installed Width	8'-8"	8'-8"	8'-8"	8'-8"	8'-8"
Installed Height (Excluding Foundation Supports)	25'-11"	25'-11"	25'-11"	25'-11"	25'-11"
Fans 1 PH	4@10-12 HP, 28"	4@10-12 HP, 36"	N/A	N/A	N/A
3 PH	4@10-12 HP, 28"	4@10-12 HP, 36"	4@15 HP, 36"	4@15 HP, 36"	4@25 HP, 40"
Heaters (Max BTU)	4@3.0 Mil.btu/hr	4@3.5 Mil.btu/hr	4@4.5 Mil.btu/hr	4@4.5 Mil.btu/hr	4@6.75 Mil.btu/hr
ELECTRIC LOAD (FAN, TOP AUG., BOT. AUG.)⁴					
Single Phase, 230 V.	238 Amps	238 Amps	N/A	N/A	N/A
Three Phase, 230 V.	160 Amps	160 Amps	196 Amps	196 Amps	308 Amps
Three Phase, 380 V.	84 Amps	84 Amps	134 Amps	134 Amps	199 Amps
Three Phase, 460 V.	80 Amps	80 Amps	98 Amps	98 Amps	154 Amps
Three Phase, 575 V.	69 Amps	56 Amps	80 Amps	80 Amps	124 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



Specifications 3300 Series Dryers

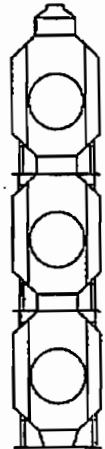
	3312	3314	3318	3320	3322	3326
DRYING CAPACITY, SHELLED CORN¹						
Dry and Cool 25% to 15%	640 BPH	840 BPH	1035 BPH	1120 BPH	1250 BPH	1520 BPH
Dry and Cool 20% to 15%	1035 BPH	1340 BPH	1665 BPH	1800 BPH	2015 BPH	2445 BPH
Full Heat 30% to 15% ²	775 BPH	1000 BPH	1250 BPH	1400 BPH	1515 BPH	1825 BPH
Full Heat 25% to 15% ²	1045 BPH	1355 BPH	1680 BPH	1825 BPH	2040 BPH	2475 BPH
Full Heat 20% to 15% ²	1690 BPH	2190 BPH	2720 BPH	2950 BPH	3300 BPH	4000 BPH
Basic Construction						
	3 Modules	3 Modules	3 Modules	3 Modules	3 Modules	3 Modules
	3 Stages	3 Stages	3 Stages	3 Stages	3 Stages	3 Stages
Grain Columns						
	14" x 12' Long	14" x 14' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long
Total Holding Capacity	921 BU	1074 BU	1381 BU	1534 BU	1688 BU	1995 BU
Grain Column Holding Capacity	876 BU	1022 BU	1314 BU	1460 BU	1606 BU	1898 BU
Top Auger (Loading)						
	3 HP	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)						
	3 HP	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Meter Roll Drive						
	SCR, 1/3 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1680 BPH	1960 BPH	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length						
(Hitch to Discharge Auger)	21'-2"	23'-2"	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width						
	8'	8'	8'	8'	8'	8'
Transport Height³						
	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Installed Length						
	21'-6"	23'-10"	27'-10"	29'-10"	31'-10"	35'-10"
Installed Width						
	8'-8"	8'-8"	8'-8"	8'-8"	8'-8"	8'-8"
Installed Height						
(Excluding Foundation Supports)	37'-3"	37'-3"	37'-3"	37'-3"	37'-3"	37'-3"
Fans 1 PH						
	3@15 HP, 36"	3@15 HP, 40"	N/A	N/A	N/A	N/A
3 PH	3@15 HP, 36"	3@15 HP, 42"	3@20 HP, 42"	3@25 HP, 42"	3@30 HP, 42"	3@40 HP, 42"
Heaters (Max BTU)						
	3@4.5 Mil.btu/hr	3@5.5 Mil.btu/hr	3@6.75 Mil.btu/hr	3@7.5 Mil.btu/hr	3@8.75 Mil.btu/hr	3@10.25 Mil.btu/hr
ELECTRIC LOAD						
(FAN, TOP AUG., BOT. AUG.)⁴						
Single Phase, 230 V.	222 Amps	232 Amps	N/A	N/A	N/A	N/A
Three Phase, 230 V.	134 Amps	143 Amps	186 Amps	232 Amps	262 Amps	346 Amps
Three Phase, 380 V.	90 Amps	98 Amps	113 Amps	152 Amps	173 Amps	202 Amps
Three Phase, 460 V.	67 Amps	72 Amps	93 Amps	116 Amps	131 Amps	173 Amps
Three Phase, 575 V.	55 Amps	59 Amps	73 Amps	93 Amps	106 Amps	141 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



Specifications 3400 Series Dryers

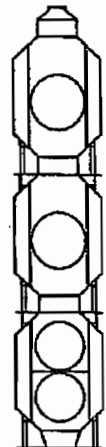
	3414	3418	3420	3422	3426
DRYING CAPACITY, SHELLD CORN*					
Dry and Cool 25% to 15%	840 BPH	1035 BPH	1120 BPH	1250 BPH	1520 BPH
Dry and Cool 20% to 15%	1340 BPH	1665 BPH	1800 BPH	2015 BPH	2445 BPH
Full Heat 30% to 15% ²	1000 BPH	1250 BPH	1400 BPH	1515 BPH	1825 BPH
Full Heat 25% to 15% ²	1355 BPH	1680 BPH	1825 BPH	2040 BPH	2475 BPH
Full Heat 20% to 15% ²	2190 BPH	2720 BPH	2950 BPH	3300 BPH	4000 BPH
Basic Construction	3 Modules 6 Stages	3 Modules 6 Stages	3 Modules 6 Stages	3 Modules 6 Stages	3 Modules 6 Stages
Grain Columns	14" x 14' Long	14" x 18' Long	14" x 20' Long	14" x 22' Long	14" x 26' Long
Total Holding Capacity	1074 BU	1381 BU	1534 BU	1688 BU	1995 BU
Grain Column Holding Capacity	1022 BU	1314 BU	1460 BU	1606 BU	1898 BU
Top Auger (Loading)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Meter Roll Drive	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1960 BPH	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length (Hitch to Discharge Auger)	23'-2"	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width	8'	8'	8'	8'	8'
Transport Height ³	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Installed Length	23'-10"	27'-10"	29'-10"	31'-10"	35'-10"
Installed Width	8'-8"	8'-8"	8'-8"	8'-8"	8'-8"
Installed Height (Excluding Foundation Supports)	37'-3"	37'-3"	37'-3"	37'-3"	37'-3"
Fans 1 PH	2@15 HP, 40"	N/A	N/A	N/A	N/A
	2@10-12 HP, 28"	N/A	N/A	N/A	N/A
3 PH	2@15 HP, 42"	2@20 HP, 42"	2@25 HP, 42"	2@30 HP, 42"	2@40 HP, 42"
	2@10-12 HP, 28"	2@10-12 HP, 36"	2@15 HP, 36"	2@15 HP, 36"	2@25 HP, 40"
Heaters (Max BTU)	2@5.5 Mil.btu/hr 2@3.0 Mil.btu/hr	2@6.75 Mil.btu/hr 2@3.5 Mil.btu/hr	2@7.5 Mil.btu/hr 2@4.5 Mil.btu/hr	2@8.75 Mil.btu/hr 2@4.5 Mil.btu/hr	2@10.25 Mil.btu/hr 2@6.75 Mil.btu/hr
ELECTRIC LOAD (FAN, TOP AUG., BOT. AUG.)⁴					
Single Phase, 230 V.	238 Amps	238 Amps	N/A	N/A	N/A
Three Phase, 230 V.	160 Amps	160 Amps	196 Amps	196 Amps	308 Amps
Three Phase, 380 V.	84 Amps	84 Amps	134 Amps	134 Amps	199 Amps
Three Phase, 460 V.	80 Amps	80 Amps	98 Amps	98 Amps	154 Amps
Three Phase, 575 V.	69 Amps	56 Amps	80 Amps	80 Amps	124 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



Specifications 3600 Series Dryers

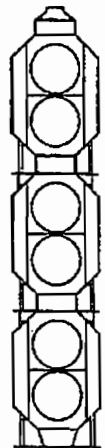
	3614	3618	3620	3622	3626
DRYING CAPACITY, SHELLD CORN¹					
Dry and Cool 25% to 15%	840 BPH	1035 BPH	1120 BPH	1250 BPH	1520 BPH
Dry and Cool 20% to 15%	1340 BPH	1665 BPH	1800 BPH	2015 BPH	2445 BPH
Full Heat 30% to 15% ²	1000 BPH	1250 BPH	1400 BPH	1515 BPH	1825 BPH
Full Heat 25% to 15% ²	1355 BPH	1680 BPH	1825 BPH	2040 BPH	2475 BPH
Full Heat 20% to 15% ²	2190 BPH	2720 BPH	2950 BPH	3300 BPH	4000 BPH
Basic Construction	3 Modules 6 Stages	3 Modules 6 Stages	3 Modules 6 Stages	3 Modules 6 Stages	3 Modules 6 Stages
Grain Columns	14' x 14' Long	14' x 18' Long	14' x 20' Long	14' x 22' Long	14' x 26' Long
Total Holding Capacity	1074 BU	1381 BU	1534 BU	1688 BU	1995 BU
Grain Column Holding Capacity	1022 BU	1314 BU	1460 BU	1606 BU	1898 BU
Top Auger (Loading)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Capacity	3800 BPH	3800 BPH	3800 BPH	3800 BPH	3800 BPH
Bottom Auger (Unloading)	5 HP	5 HP	7.5 HP	7.5 HP	10 HP
Meter Roll Drive	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP	SCR, 3/4 HP
Maximum Capacity	1960 BPH	2520 BPH	2800 BPH	3080 BPH	3640 BPH
Transport Length (Hitch to Discharge Auger)	23'-2"	27'-2"	29'-2"	31'-2"	35'-2"
Transport Width	8'	8'	8'	8'	8'
Transport Height ³	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")	13'-5" (11'-9")
Installed Length	23'-10"	27'-10"	29'-10"	31'-10"	35'-10"
Installed Width	8'-8"	8'-8"	8'-8"	8'-8"	8'-8"
Installed Height (Excluding Foundation Supports)	37'-3"	37'-3"	37'-3"	37'-3"	37'-3"
Fans 1 PH	6@10-12 HP, 28"	6@10-12 HP, 36"	N/A	N/A	N/A
3 PH	6@10-12 HP, 28"	6@10-12 HP, 36"	6@15 HP, 36"	6@15 HP, 36"	6@25 HP, 40"
Heaters (Max BTU)	6@3.0 Mil.btu/hr	6@3.5 Mil.btu/hr	6@4.5 Mil.btu/hr	6@4.5 Mil.btu/hr	6@6.75 Mil.btu/hr
ELECTRIC LOAD (FAN, TOP AUG., BOT. AUG.)⁴					
Single Phase, 230 V.	334 Amps	334 Amps	N/A	N/A	N/A
Three Phase, 230 V.	225 Amps	225 Amps	275 Amps	275 Amps	436 Amps
Three Phase, 380 V.	118 Amps	118 Amps	188 Amps	188 Amps	283 Amps
Three Phase, 460 V.	113 Amps	113 Amps	137 Amps	137 Amps	218 Amps
Three Phase, 575 V.	78 Amps	78 Amps	110 Amps	110 Amps	174 Amps

¹ Capacities are wet bushels at input moisture content.

² Grain discharged hot from the dryer will result in a final moisture content of 15% after cooling in the bin.

³ Shortest possible height in ().

⁴ Maximum running load less auxiliary auger motors.



State of the Art

With state-of-the-art controls and features, heavy-duty galvanized steel construction and industrial grade electrical components, GSI continues to offer the most reliable and technologically advanced dryers in the industry. GSI offers the widest selection of dryer models in the industry as well. With over 60 models from which to choose, GSI dryers feature long dryer retention times, producing high quality efficiently dried grain, and the flexible operation allows the operator a choice of continuous batch, staged auto or continuous flow with the flip of a switch. We invite you to tour our facilities and see for yourself what makes GSI the top choice for grain drying equipment worldwide.



GRAIN SYSTEMS

1004 East Illinois Street
Assumption, Illinois 62510

Phone: 217-226-4421

Fax: 800-800-5329

Int'l Phone: 217-226-4401

Int'l Fax: 217-226-3404

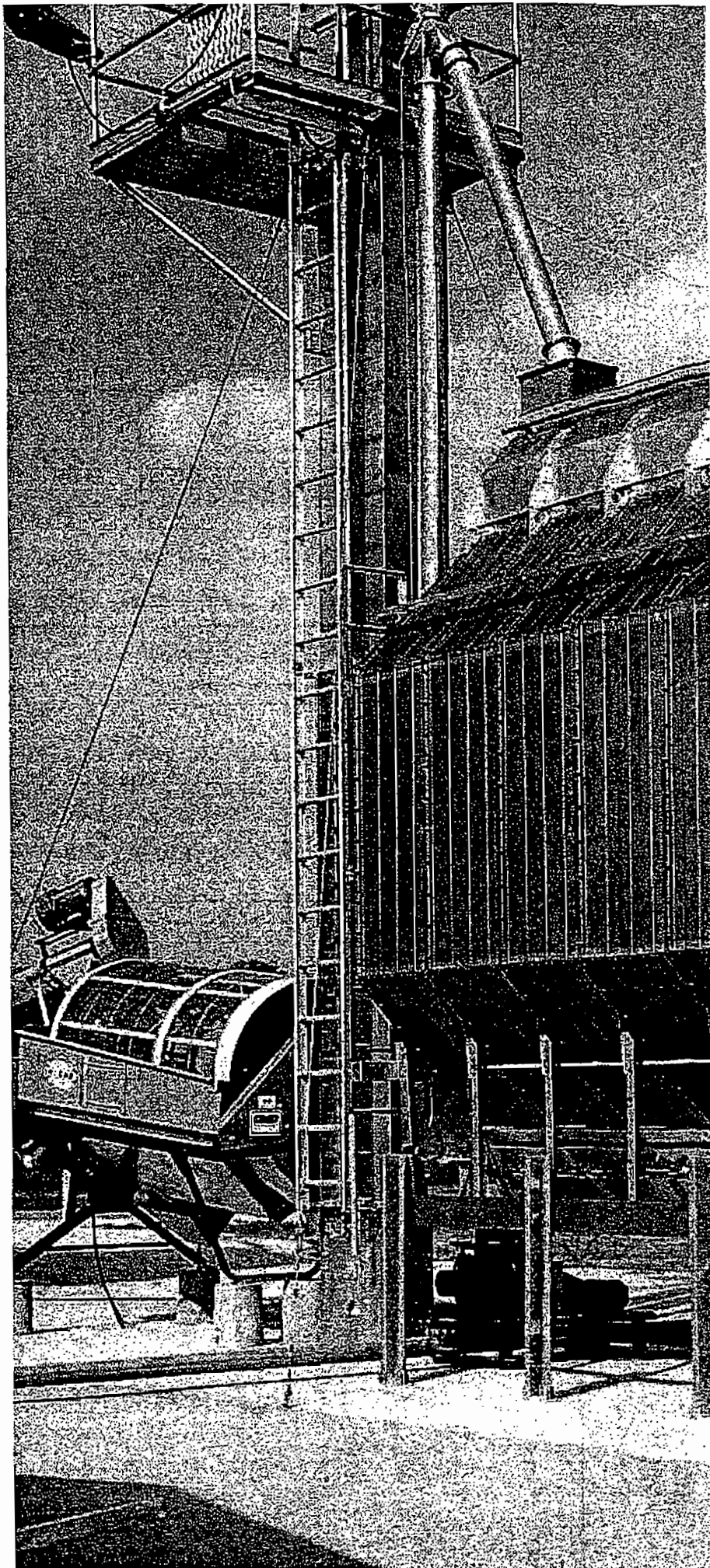
Internet: www.grainsystems.com

E-mail: gsisales@grainsystems.com

a division of
THE GSI GROUP



GS20
Printed Feb/02



ATTACHMENT V
Emissions Profile

Permit #: C-8347-1-0	Last Updated
Facility: PARAMOUNT FARMS INTERNATIONAL LLC	05/30/2012 EDGEHILR

Equipment Pre-Baselined: NO

	<u>NOX</u>	<u>SOX</u>	<u>PM10</u>	<u>CO</u>	<u>VOC</u>
Potential to Emit (lb/Yr):	47923.0	1642.0	1901.0	12096.0	2189.0
Daily Emis. Limit (lb/Day)	798.7	27.4	31.7	201.6	36.5
Quarterly Net Emissions Change (lb/Qtr)					
Q1:	11980.0	410.0	475.0	3024.0	547.0
Q2:	11981.0	410.0	475.0	3024.0	547.0
Q3:	11981.0	411.0	475.0	3024.0	547.0
Q4:	11981.0	411.0	476.0	3024.0	548.0
Check if offsets are triggered but exemption applies	N	N	N	N	N
Offset Ratio	1.5		1.5		
Quarterly Offset Amounts (lb/Qtr)					
Q1:	17971.0		713.0		
Q2:	17971.0		713.0		
Q3:	17971.0		713.0		
Q4:	17971.0		713.0		

ATTACHMENT VI
BACT Guideline

San Joaquin Valley
Unified Air Pollution Control District

Best Available Control Technology (BACT) Guideline 1.6.8*

Last Update 4/14/1995

Pistachio Nut Dryer

Pollutant	Achieved in Practice or contained in the SIP	Technologically Feasible	Alternate Basic Equipment
CO		Natural gas with LPG as backup fuel	
NOx	Low NOx burner @ 0.083 lb/MMBtu and natural gas fuel		
PM10		Natural gas with LPG as backup fuel	
SOx		PUC quality natural gas with LPG as backup fuel	
VOC		Natural gas with LPG as backup fuel	

BACT is the most stringent control technique for the emissions unit and class of source. Control techniques that are not achieved in practice or contained in a state implementation plan must be cost effective as well as feasible. Economic analysis to demonstrate cost effectiveness is required for all determinations that are not achieved in practice or contained in an EPA approved State Implementation Plan.

***This is a Summary Page for this Class of Source**

San Joaquin Valley
Unified Air Pollution Control District

Best Available Control Technology (BACT) Guideline 5.2.3*

Last Update 1/30/1995

**Pistachio Nut Processing - Precleaning Operation,
> or = 375 ton/day in-hull pistachios**

Pollutant	Achieved in Practice or contained in the SIP	Technologically Feasible	Alternate Basic Equipment
PM10	1D-3D cyclone		

BACT is the most stringent control technique for the emissions unit and class of source. Control techniques that are not achieved in practice or contained in a state implementation plan must be cost effective as well as feasible. Economic analysis to demonstrate cost effectiveness is required for all determinations that are not achieved in practice or contained in an EPA approved State Implementation Plan.

***This is a Summary Page for this Class of Source**

ATTACHMENT VII
BACT Analysis

ATTACHMENT VII BACT Analysis

BACT Guideline 1.6.8 – Pistachio Dryers

BACT Analysis for NOx Emissions;

Oxides of nitrogen (NOx) are generated from the high temperature combustion of fuel. A majority of the NOx emissions' are formed from the high temperature reaction of nitrogen and oxygen in the inlet air. The rest of the NOx emissions are formed from the reaction of fuel-bound nitrogen with oxygen in the inlet air.

Step 1 - Identify All Possible NOx Control Technologies

Low NOx burner @ 0.083 lb/MM Btu and natural gas fuel - Achieved in Practice

Step 2 - Eliminate Technologically Infeasible Options

There are no technologically infeasible, options.

Step 3 - Rank Remaining Control Technologies by Control Effectiveness

Low NOx burner @ 0.083 lb/MMBtu and natural gas fuel - Achieved in Practice

Step 4 - Cost Effectiveness Analysis.

A cost effective analysis must be performed for all, control options in the list from Step 3 in the order of their ranking to determine the cost effective option with the lowest emissions.

The only control technology alternative in the ranking list from Step 3 has been achieved in practice. Therefore, per SJVUAPCD BACT policy, the cost effectiveness analysis is not required.

Step 5 - Select BACT

BACT for NOx emissions is a low NOx burner @ 0.083 lb/MMBtu and natural gas fuel. The facility has proposed a low NOx burner @ 0.083 lb/MMBtu and natural gas fuel; therefore, BACT is satisfied.

BACT Analysis for SOx, PM10, and VOC Emissions:

Step 1 - Identify All Possible Control Technologies

Natural gas with LPG a backup fuel - Technologically feasible

Step 2 - Eliminate Technologically Infeasible Options

There are no technologically infeasible, options.

Step 3 - Rank Remaining Control Technologies by Control Effectiveness

Natural gas with LPG a backup fuel - Technologically feasible

Step 4 - Cost Effectiveness Analysis

A cost effective analysis must be performed for all control options in the list from Step 3 in the order of their ranking to determine the cost effective option with the lowest emissions.

The only control technology alternative in the ranking list from Step 3 has been proposed. Therefore, per SJVUAPCD BACT policy, the cost effectiveness' analysis is not required.

Step 5 - Select BACT

BACT for SOx, PM10, and VOC emissions is natural gas with LPG a backup fuel - Technologically feasible. The facility has proposed combustion of natural gas only. Therefore, BACT is satisfied.

BACT Guideline 5.2.3 – Pistachio Precleaning Operation

BACT Analysis for PM10 Emissions;

Step 1 - Identify All Possible Control Technologies

1D-3D cyclone

Step 2 - Eliminate Technologically Infeasible Options

There are no technologically infeasible, options.

Step 3 - Rank Remaining Control Technologies by Control Effectiveness

1D-3D cyclone

Step 4 - Cost Effectiveness Analysis

A cost effective analysis must be performed for all control options in the list from Step 3 in the order of their ranking to determine the cost effective option with the lowest emissions.

The only control technology alternative in the ranking list from Step 3 has been proposed. Therefore, per SJVUAPCD BACT policy, the cost effectiveness' analysis is not required.

Step 5 - Select BACT

BACT for PM10 emissions is 1D-3D cyclone. Therefore, BACT is satisfied.

**ATTACHMENT VIII
HRA AND AAQA**

San Joaquin Valley Air Pollution Control District Risk Management Review

To: Richard Edgehill, AQE – Permit Services
From: Trevor Joy, AQS – Technical Services
Date: May 22, 2012
Facility Name: Paramount Farms International
Location: NE/4 Section 3 Township 13S, Range 15E in Firebaugh
Application #(s): C-8347-1-0
Project #: C-1120254

A. RMR SUMMARY

Categories	NG Dryers for Pistachio Hulling and Drying (Unit 1-0)	Project Totals	Facility Totals
Prioritization Score	0.01	0.01	0.01
Acute Hazard Index	N/A ¹	N/A ¹	N/A ¹
Chronic Hazard Index	N/A ¹	N/A ¹	N/A ¹
Maximum Individual Cancer Risk (10 ⁻⁶)	N/A ¹	N/A ¹	N/A ¹
T-BACT Required?	No		
Special Permit Conditions?	No		

Proposed Permit Conditions

To ensure that human health risks will not exceed District allowable levels; the following permit conditions must be included for:

Unit 1-0

No special conditions are required.

The results from the Criteria Pollutant Modeling are as follows:

Criteria Pollutant Modeling Results*
Values are in $\mu\text{g}/\text{m}^3$

Steam Generator	1 Hour	3 Hours	8 Hours	24 Hours	Annual
CO	Pass	X	Pass	X	X
NO _x	Fail	X	X	X	Fail
SO _x	Pass	Pass	X	Pass	Pass
PM ₁₀	X	X	X	Fail	Fail
PM _{2.5}	X	X	X	Fail	Fail

*Results were taken from the attached PSD spreadsheet.

¹The project was compared to the 1-hour SO₂ National Ambient Air Quality Standard that became effective on August 23, 2010 using the District's approved procedures.

²Facility is fully offsetting the project PM and NO_x emissions as per District Rule 2201.

III. Conclusion

The acute and chronic hazard indices were below 1.0; and the cancer risk is less than 1 in a million. **In accordance with the District's Risk Management Policy, the project is approved without Toxic Best Available Control Technology (T-BACT).**

To ensure that human health risks will not exceed District allowable levels; the permit conditions listed on page 1 of this report must be included for this proposed unit.

These conclusions are based on the data provided by the applicant and the project engineer. Therefore, this analysis is valid only as long as the proposed data and parameters do not change.

Attachments:

- A. RMR request from the project engineer
- B. Prioritization score with toxic emissions summary
- C. HEARTS – Facility Summary
- D. HARP Risk Report
- E. AAQA spreadsheet

ATTACHMENT IX
Draft ATC

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT
DRAFT

PERMIT NO: C-8347-1-0

LEGAL OWNER OR OPERATOR: PARAMOUNT FARMS INTERNATIONAL LLC
MAILING ADDRESS: 13646 HIGHWAY 33
LOST HILL, CA 93249

LOCATION: CORNER OF AVENUE 6 & CHOWCHILLA CANAL ROAD
NE 1/4 SEC 3 TOWNSHIP 13 S RANGE 15E
FIREBAUGH, CA

EQUIPMENT DESCRIPTION:

PISTACHIO HULLING AND DRYING OPERATION WITH TWENTY 20.0 MMBTU/HR DRYERS, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING PERMIT EXEMPT WET PROCESSING EQUIPMENT: PISTACHIO HULLER/PEELER(S), WASH DECK(S), FLOAT TANK(S), WET ASPIRATOR(S) WITH CYCLONE(S) AND/OR EXPANSION BOX(S), GRAVITY DECK(S) AND CLASSIFYING DECK(S) EACH WITH A HIGH EFFICIENCY CYCLONE, ASSOCIATED ELEVATOR(S), HOPPER(S), AUGER(S), AND CONVEYOR(S)

CONDITIONS

1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201]
2. There shall be no visible emissions in excess of 5% opacity at reciving pits, stickreels, conveyors, conveyot transfer points or trash disposal operations. [District Rule 2201]
3. There shall be no visible emissions at dryers, conveyors, or aspirators cyclones exhausts. [District Rule 2201]
4. Operation shall be equipped with four receiving pits, each with metering conveyors and precleaner feed conveyor. [District Rule 2201]
5. Operation shall be equipped with four precleaning leaf blowers, each with a 44" high-efficiency cyclone, trash discharge conveyor, sampler, and nut discharge conveyor. [District Rule 2201]
6. Maximum emission rate of PM10 from each of the 44" high-efficiency precleaning cyclones listed above shall not exceed 0.08 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Precleaning operation shall not operate more than 1440 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director APCO

DRAFT

DAVID WARNER, Director of Permit Services
C-8347-1-0 - Jun 3 2012 11:20AM - EDGEHILR : Jcrl Inspection NOT Required

8. Operation shall be equipped with twenty 20.0 MMBtu/hr natural gas-fired column type pistachio dryers. [District Rule 2201]
9. Dryers shall only be fired on PUC regulated natural gas. [District Rule 2201]
10. Dryers shall be equipped with an operational totalizing fuel flow meter. [District Rule 2201]
11. Daily natural gas consumption of dryers shall not exceed 9.6 MMscf/day. [District Rule 2201]
12. Annual natural gas consumption of dryers shall not exceed 576 MMscf/year. [District Rule 2201]
13. Emission rates from dryers shall not exceed any of the following: PM10: 0.0025 lb/MMBtu, SOx (as SO₂): 0.00285 lb/MMBtu, NOx (as NO₂): 0.0832 lb/MMBtu, VOC: 0.0038 lb/MMBtu, or CO: 0.021 lb/MMBtu. [District Rule 2201]
14. Disposal of solid and liquid wastes shall not result in odors nor constitute a nuisance. [District Rule 4102]
15. Source with non-combustion particulate emission sampling limit shall be demonstrated by District witnessed sample collection by independent testing laboratory if precleaner cyclones exhibit visible emissions in excess of 5% opacity. [District Rules 1081 and 2201]
16. Source testing for particulate emissions shall be performed within 60 days of District determination of excess visible emissions, test results shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2201]
17. Visible emissions at precleaner cyclones shall be inspected quarterly during operation. If visible emissions are observed to be in excess of 5% opacity, corrective action shall be taken to reduce opacity. [District Rules 1070 and 2201]
18. Source testing to measure the concentration of particulate matters shall be conducted using EPA Method 5. [District Rules 2201 and 4201]
19. Visible emissions at elevators, augers, conveyors, conveyor transfer points shall be inspected annually under material and environmental conditions, such as dry and windy, where high emissions are expected. [District Rules 1070 and 2201]
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202]
21. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2]
22. Permittee shall maintain records of the volume of fuel used each day and each year. [District Rules 1070 and 2201]
23. Permittee shall maintain records of hours of operation of the precleaning cyclones. [District Rules 1070 and 2201]
24. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201]
25. Prior to operating equipment under this Authority to Construct, permittee shall surrender emission reduction credits for the following quantities of emissions: NOx: 17,971 lb/qtr and PM10: 713 lb/qtr. Offsets include the applicable offset ratio specified in Section 4.8 of Rule 2201 (as amended 4/21/11). [District Rule 2201]
26. ERC Certificate Numbers C-1133-2, S-1267-4, C-499-4, and N-284-4 (or certificates split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]

DRAFT