

Ball Metal Container

Tampa, Florida

Application for Air
Construction and
Title V Permit

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Operation Baghouse for Line 3

1.0 INTRODUCTION

1.1 Project Summary

Ball Corporation operates a two-piece aluminum can manufacturing facility in Tampa, Hillsborough County, Florida. The facility was constructed in 1986.

Ball proposes to construct and operate a new can line resulting in a total of three can lines at the facility. The new can line will produce 1.2 billion cans annually.

1.2 Compliance Summary

Ball will comply with all applicable statutes and regulations that pertain to this expansion project.

An analysis has been conducted to demonstrate that this project will comply with the New Source Performance Standards (NSPS) for coating and the State of Florida regulations which apply to surface coating operations. In addition, the proposed project has been evaluated in accordance with the Section 112(g) Program to provide a demonstration of case-by-case MACT. This is a requirement since EPA has yet to promulgate Maximum Available Control Technology (MACT) standards for the can coating industry.

1.3 Report Organization

The Ball Corporation permit application has been subdivided into several sections:

- Chapter 2.0 contains relevant project information, including the site location as well as descriptions of the operations from both the existing and proposed facilities;
- Chapter 3.0 gives the facility emissions inventory data, including information on allowable and actual emissions for the existing facility and the potential-to-emit for the proposed facility;
- Chapter 4.0 contains the regulatory analysis, which includes applicable regulations and classification of ambient air quality. This section also discusses the net emissions increases associated with the proposed modifications and defines the PSD applicability for each pollutant;
- Technical references cited in the application are listed in Chapter 5.0.

The application also contains several technical appendices, which provide additional details, such as specific calculations and other information (plot plans, process flow diagrams, control equipment descriptions, etc.) that are required to be submitted along with the Florida Department of Environmental Protection (FDEP) permit forms.

2.0 PROJECT INFORMATION

2.1 Project Location

Ball Metal Beverage Container, a division of Ball Corporation, operates a two-piece aluminum can manufacturing facility in Hillsborough County, Florida. The facility is located at 4700 Whiteway Drive, Tampa, Florida.

2.2 Existing Facility

The facility presently contains two aluminum can manufacturing lines each with a permitted capacity of 114,000 cans per hour (1,900 cans per minute). Each can line utilizes various coatings containing volatile organic compounds (VOCs) to apply the internal coating and overvarnish. Coatings containing VOCs are also used in smaller quantities to apply a bottom coat and basecoat to meet specifications. Additional VOCs are attributed to the use of various inks for labeling and solvents used for cleanup activities.

2.3 Proposed Facility Modifications

Ball proposes to add a new two-piece aluminum can line at the existing facility. The new can line will be similar to the existing can lines except the line will be capable of producing cans at a speed of 2,200 cans per minute. Additionally, it is anticipated that the coating will be limited to applying an inside spray, overvarnish, and bottomcoat. Various inks will be used to provide labeling as needed.

The addition of a new can line will result in increased VOC emissions. To compensate for the additional VOC emissions that will be generated, Ball proposes to install a regenerative thermal oxidizer (RTO) with a rated heat input of 4.0 MMBtu/hr to control VOC emissions from both the new can line and the two existing can lines as well. Utilizing the RTO on all three can lines will result in VOC emission levels remaining approximately the same (future potential-to-emit VOC from the entire facility is anticipated to be only slightly higher than present actuals from the facility).

The proposed new third line will require the addition of several ovens for curing the coatings. For the purposes of preparing this application, it is assumed that the size and types of ovens will be equivalent to that presently used on the existing can lines. The ovens would therefore include a 13.4 MMBtu/hr washer oven, a 6.5 MMBtu/hr internal coat oven, and a 2.5 MMBtu/hr decorator (inks and over varnish) oven. However, the equipment sizes for line 3 have not been finalized and could change. The internal coating process will also result in the emissions of particulates. Particulate emissions from this process will be minimized by the use of a baghouse.

3.0 FACILITY EMISSION INVENTORY DATA

3.1 Current Emissions

3.1.1 Allowable Emissions

Ball's Whiteway Drive Facility currently operates under the authority granted in permit 0570160-002 AC (AC 29-205460). The facility currently has a limit on VOC emissions as follows:

Can Coating (Inside spray, overvarnish, bottom coat, inks)	247.9 TPY
Basecoat	29.0 TPY
Total Facility	276.9 TPY

3.1.2 Actual Emissions

The actual emissions of VOCs from the Whiteway Drive facility have been based on the 1996/1997 coating consumptions for determining Title V fees. An accounting of these emissions was included in the Annual Operating Reports submitted to the Environmental Protection Commission of Hillsborough County dated February 17, 1997 and February 20, 1998. A summary of these emissions is provided in Table 3-1.

3.2 Future Potential-To-Emit

This section describes the potential emissions anticipated from Ball's Whiteway Drive facility following construction of the third can line. The potential emissions of criteria pollutants are summarized in Table 3-2. Details on how these emissions were calculated are discussed below. Detailed calculations are given for each source category in Appendix B.

The future potential to emit for the Whiteway facility has been based on the potential emissions that were provided in the original Title V application on an emissions unit basis (see Section H. of Title V application titled "Emission Unit Pollutant Detail Information"). This was chosen as the basis for the future potential to emit calculations since it represented uncontrolled emissions assuming the maximum line speed coating application film weight, 8,760 hours per year operation, and the coating with the highest VOC content.

TABLE 3-1

Actual Emissions (TPY)
Ball Whiteway Drive Facility

Source	Emissions Unit ID	PM			SO ₂			NO _x			CO			VOC		
		1996	1997	Avg	1996	1997	Avg	1996	1997	Avg	1996	1997	Avg	1996	1997	Avg
Ovens*	001	0.490	0.499	0.494	0.024	0.025	0.024	4.081	4.985	4.533	0.858	0.831	0.844	0.326	0.332	0.329
Metal Can Coating (Interior/Exterior)	002													214.86	217.65	216.26
Internal Can Coating Baghouse	003	0.96	0.96	0.96												
4.0 MMBtu/hr Oven (Line 2)	004	0.037	0.045	0.041	0.002	0.002	0.002	0.305	0.445	0.375	0.064	0.074	0.069	0.024	0.030	0.027
Gas Sludge Dryer	005	0.001	0.001	0.001				0.007	0.011	0.009	0.001	0.002	0.001	0.001	0.001	0.001
Base Coating	005													1.53	0.61	1.07
Cleanup Solvents	---													9.73	9.73	9.73
Total				1.50			0.026			4.92			0.914			227.4

*Includes 2 internal coat ovens, 2 washer ovens, and 2 decorator ovens.

TABLE 3-2

**Summary of Emissions (TPY)
Ball Whiteway Drive Facility**

Pollutant	Internal/External Coating Operation			Emissions From New Fuel Burning Equipment
	Average Actuals	Future Potential	Change	
PM	0.96	1.52	0.56	1.50
SO ₂	---	---	---	0.07
NO _x	---	---	---	13.88
CO	---	---	---	3.35
VOC	226.0	193.2	(32.8)	0.32

Notes: (1) PM₁₀ emissions equivalent to PM emissions.
 (2) VOC emissions include cleanup solvents for both average actuals and future potential values.
 (3) Basecoating and Sludge Dryer emissions have not been included since these sources are not affected by this project.
 (4) A maximum of 10 percent of the future potential VOC emissions is emitted as glycol ethers.

Using these emissions as a basis, the future potential emissions calculations take into account the VOC control that is expected to be achieved using the thermal oxidizer. Based on Ball's experience, it is assumed that 20 percent of the VOC will be emitted prior to the cans entering the ovens (internal coat and decorator ovens) and 95% of the VOC that is emitted from the ovens will be destructed by the thermal oxidizer. Since the existing lines apply very little basecoat, the thermal oxidizer will be limited to providing control for the internal and external (inks and overvarnish) coating operations only. Table 3-1 also indicates that VOC is emitted in smaller quantities as a result of cleanup solvents and fuel (natural gas) combustion. The potential VOC emissions from the use of cleanup solvents has been based on the actual use reported in the annual operating reports. Since the actual emissions represent actual operation and the third line will be designed to operate faster than existing lines 1 and 2, the future potential to emit for cleanup solvents has been conservatively estimated to be 20 tons per year for the entire facility.

Similar to the calculation of VOC emissions, the future potential to emit for hazardous air pollutants (HAPs) [in this case, the only HAP emitted in quantities above major source thresholds are glycol ethers (FDEP Identification Code H096)] have been calculated using the maximum anticipated concentrations. In this case, however, the emission levels in the original Title V application were judged to be overly conservative. Therefore, the future potential to emit for glycol ethers has been based on the assumption that the maximum content of glycol ethers in the internal coating and overvarnish compounds will be equivalent to 10% of the VOC content by weight. For basecoating compounds, the maximum concentration of glycol ethers is assumed to be equivalent to 15% of the VOC content by weight. Here again, the controlled levels of glycol ethers assume that of the 80 percent captured in the ovens, a minimum of 95% will be destructed via the thermal oxidizer.

The emissions resulting from the combustion of natural gas to heat the ovens and operate the thermal oxidizer are based on using AP-42 factors (see Section 1.4 dated 10/96, Tables 1.4-1 through 1.4-5). In calculating these emissions, it is assumed that the gas-fired equipment is operated at the design rate and operates 8,700 hours per year. Since several of the AP-42 factors vary depending on the heat input rate (i.e., some factors vary for heat inputs in 0.3-10 MMBtu/hr range as compared to 10-100 MMBtu/hr range), an adjustment has been made to account for the differing equipment sizes. A review of the equipment indicates that roughly half of the total heat input results from fuel burning equipment less than 10 MMBtu/hr and half from fuel burning equipment rated more than 10 MMBtu/hr. As this is the case, a nitrogen oxides (NO_x) emission factor of 120 lb/10⁶ ft³ of natural gas fired has been used and an emission factor of 28 lb/10⁶ ft³ of natural gas fired has been used for carbon monoxide (CO). The emission factor for total particulate has also been adjusted in this manner to be 13 lb/10⁶ ft³ of natural gas fired. These emission factors are similar to what Ball has been using for the purpose of reporting actual emissions in their annual reports. No other emission factors are affected due to the equipment falling in different heat input ranges.

Finally, since Table 1.4-3 expresses emissions in terms of total organic compounds (TOCs) the factor has been adjusted to express the emission as VOC (i.e., 2.8 lb/10⁶ ft of natural gas fired).

4.0 REGULATORY ANALYSIS

This section presents a review of the federal and FDEP air quality regulations that govern the operations associated with the proposed modification of Ball's facility and demonstrates project compliance with all applicable rules.

4.1 PSD Applicability

PSD review requirements (as described in 40 CFR 52.21) apply to construction of a "major stationary source or modification to a major source" in attainment or unclassifiable areas. In these areas, the ambient air quality is acceptable, and the NAAQS for the criteria pollutants carbon monoxide, nitrogen oxides, sulfur dioxide, particulate matter, and ozone (VOC) have not been exceeded. Sources subject to PSD review must apply BACT, conduct an air quality and additional impacts analyses, and undergo public participation during the permitting process (U.S. EPA, October 1990).

Ball's Whiteway Drive facility is located in Hillsborough County which is currently designated as an attainment or unclassifiable area for all six criteria pollutants. Hillsborough County, however, is presently designated as an air quality maintenance area for the pollutant ozone. The Whiteway Drive facility is classified as a major stationary source because it, as currently permitted, has the potential to emit more than 250 tons per year of any regulated pollutant (in this case, VOC). The proposed modification to Ball's Whiteway Drive facility would be a major modification to an existing major stationary source located in a PSD area, and would be subject to PSD review if it results in significant emissions of any regulated pollutant.

The cumulative change in emissions from the proposed project is the summation of the change in emissions anticipated from the coating operations and the fuel burning equipment needed to support this project. These emissions changes were presented in Table 3-2 of this application. Table 4-1 reflects that the cumulative change in emissions from the proposed project is less than the PSD significance level for all pollutants, therefore, this project does not constitute a major modification and PSD regulations do not apply.

TABLE 4-1

**Cumulative Change in Emissions
From
Proposed Project**

Pollutant	Net Change in Emissions (TPY)		Total Net Change (TPY)	PSD Significant Emission Rate (TPY)	PSD Applicability
	Internal/ External Coating	New Fuel Burning Equipment			
PM	0.56	1.50	2.06	15	No
SO ₂	---	0.07	0.07	40	No
NO _x	---	13.88	13.88	40	No
CO	---	3.35	3.35	100	No
VOC	(32.8)	0.32	(32.5)	40	No

4.2 New Source Performance Standards (NSPS)

NSPS prescribe minimum requirements for control of emissions from new and/or modified emission sources. The NSPS may be described in one or more ways including maximum mass emission limits (i.e., lb/MMBtu, gr/dscr), control efficiency requirements (i.e., minimum percentage removal of inlet pollutants), technological requirements (i.e., a specific reference technology or equivalent), or operational/work practice standards. The NSPS must be met by all new or modified sources that meet the applicability requirements specified under each subpart. There is no general exclusion from NSPS based on emission levels; however, many NSPS apply only when source capacity exceeds a given threshold.

The can manufacturing industry is potentially subject to NSPS Subpart WW which regulates the amount of VOC than can be emitted from applying coatings to beverage cans. Subpart WW has established VOC limits (expressed as kilograms of VOC per liter of coating solids) for specific coating operations including the application of basecoat, overvarnish and inside spray.

As previously discussed, the addition of the new line will be limited to applying inside spray, applying inks and overvarnish. The Whiteway facility is currently using NSPS compliant coatings (i.e., the VOC emitted from inside spraying and overvarnish operations is less than the following standards:

0.46 kilogram of VOC per liter of coating solids from each overvarnish coating operation;
and

0.89 kilogram of VOC per liter of coating solids from each inside spray coating operation.

Given that the facility is currently using and will continue to use NSPS compliant coatings and additional VOC control will be achieved via thermal oxidation, the Whiteway facility will emit VOC in quantities well below that required of NSPS Subpart WW.

4.3 National Emission Standards for Hazardous Air Pollutants (NESHAP) and Related Air Toxics Requirements

The current regulations that have been developed to control emissions of so-called hazardous air pollutants (HAPs) are the NESHAPs, initially codified in 40 CFR Part 61 only. This part contains a listing of those pollutants that have been designated as being hazardous along with standards applicable to specific industries. Unlike the NSPS, NESHAPS are applicable to both new and existing sources that emit pollutants regulated by this part.

The 1990 CAA Amendments significantly expanded the number of HAPs to be regulated. Under the Amendments, 189 (this has been recently revised to 188) compounds or classes of compounds are to be regulated. MACT standards are to be applied to sources with controlled HAPs emission of 10 tpy of any single compound or 25 tpy or more of all 188 regulated HAPs in combination. These requirements, codified in 40 CFR 63, are to be phased in during future years.

At this time, the MACT standard has not been proposed for the can manufacturing industry. New sources for which a MACT standard has not been promulgated are required to evaluate MACT on a case-by-case basis if the emissions of HAPs exceed either the 10 tpy or 25 tpy applicability level.

Ball is proposing that the use of NSPS compliant coatings in conjunction with the thermal oxidizer is representative of case-by-case MACT for this project. Since the emissions from the new line alone are estimated to be 63.5 tons per year (see calculation in Appendix B) and the maximum HAP (glycol ethers) content is expected to be 10 percent, the resulting HAP emissions level would be 6.35 tons per year which is well below the 10 tpy applicability level and is therefore justified as being representative of MACT for this project.

4.4 Florida Air Quality Regulations

In addition to the federal regulations previously addressed, there are several State of Florida air quality regulations for which compliance must be demonstrated.

Compliance with the State of Florida's air quality regulation will predominantly be achieved through the firing of natural gas in the new fuel burning equipment that is proposed for this

project. The firing of natural gas will ensure that compliance is maintained with the visible emissions standards and other general pollutant emissions standards as contained in Chapter 62-296 F.A.C.

In addition to the general pollutant emission standards, the State of Florida regulations also address specific sources. These sources also addressed in Chapter 62-296 F.A.C. fall into two categories [those regulated regardless of location in Florida and those located in specific areas of Florida which are subject to Reasonably Available Control Technology (RACT)].

Since Hillsborough County is classified as a maintenance area for ozone, the RACT rules apply, including Section 501 of Chapter 62-296 F.A.C. for can coating. This regulation is similar to that contained in NSPS Subpart WW since VOC is restricted in terms of mass emitted per volume of coating applied, with the standard varying depending on the type of application (basecoat, inside spray, overvarnish, etc.). The Whiteway Drive facility has been complying with these standards since they apply to both existing and new facilities. The continued use of VOC compliant coatings along with the installation of the thermal oxidizer will ensure that future compliance with these requirements is easily maintained.

5.0 REFERENCES

1. FDEP, March 13, 1996. *Stationary Sources - Emission Standards, Chapter 62-296, Florida Administrative Code (F.A.C.)*.
2. FDEP, March 21, 1996. *Instructions for DEP Form No. 62-210.900(1), Application for Air Permit - Long Form*.
3. EPA, October 1990. *New Source Review Workshop Manual*.
4. EPA, January 1995. *AP-42 Fifth Edition [including Supplements A and B (11/96)]*.

APPENDIX A
FDEP Application Forms

INTRODUCTION

To facilitate the permit review process, this introduction provides information to address several items which may not be easily understood as presented in the "Application For Air Permit - Long Form."

A review of the Title V application for the Whiteway Drive Facility which is presently being reviewed by EPCHC indicates that the facility was addressed as having five emissions units (001, 002, 003, 004, and 005). The most recent Annual Operating Reports, however, have combined the sources addressed as emissions units 001 and 002 in the Title V application into one unit 001. In other words, emissions unit 002 is not recognized as being assigned to any sources at this time.

To avoid confusion, this application has been formatted to be consistent with the Annual Operating Reports. As this is the case, the emissions units throughout this application have been designated as follows:

- Unit 001 - Internal Coating Applicators, Ink Printers, Exterior Coating Applicators, and ovens.
- Unit 002 - Not assigned to any sources at this time.
- Unit 003 - Internal Coating Applicators Baghouses.
- Unit 004 - Basecoater and Oven on No. 2 Line.
- Unit 005 - Sludge Dryer.

The new equipment that will be added to the Whiteway Drive facility associated with the 3rd can line addition will be included as part of Unit 001 or Unit 003 only. Although the project does not result in any changes to Units 004 and 005, these units have been also addressed in the Long Form since Ball has requested that the Whiteway Drive facility be allowed to operate under facility wide emissions caps for the pollutants VOC, particulates, and the HAP glycol ethers.

An additional facility-wide cap that is being requested in this application for the first time is for the pollutant nitrogen oxides. Ball is requesting a cap on nitrogen oxides to be included as a permit condition in order to be exempted from the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) reporting requirements. The emissions of nitrogen oxides (emitted as a result of fuel combustion only) have been calculated for all fuel burning

equipment assuming operation at the maximum heat input rate and 8,760 hours per year operation.

A review of the Title V application for the Whiteway Drive facility indicated that several attachments were included in response to both the Facility Supplemental Information (Section E) and the Emissions Unit Supplemental (Section L) Sections. Since this information was submitted within the last 5 years and EPCHC has not yet issued the Title V permit, there is no need to re-submit all of this information. It was decided however, that due to the nature of this project that some additional information should be included. Included with this application are a new plot plan and new flow diagram which incorporates the 3rd can line and descriptions of the thermal oxidizer and baghouse that are part of this project. This additional information is provided in Appendix C of this application.

It should be noted that the control equipment descriptions provided in this application are representative of what Ball envisions for a can plant of this size. Some specifications for the thermal oxidizer may change as part of the design process to accommodate all three can lines at the Whiteway Drive facility. Ball anticipates that the baghouse will be very similar to that currently used to control particulate emissions from the inside coating operation on existing lines 1 and 2. As more information becomes available regarding the equipment specifications, Ball will provide updates to EPCHC.

Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope and purpose of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application


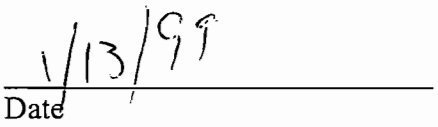
Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: Ball Packaging Operations	
2. Site Name: Ball Metal Beverage Container Operations	
3. Facility Identification Number: 0570160 [] Unknown	
4. Facility Location: Street Address or Other Locator: 4700 Whiteway Drive City: Tampa County: Hillsborough Zip Code: 33617	
5. Relocatable Facility? [] Yes [X] No	6. Existing Permitted Facility? [X] Yes [] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: Name: Rich Grimley Title: Vice President, Manufacturing
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: Ball Packaging Operations Street Address: 9300 W. 108 th Circle City: Broomfield State: CO Zip Code: 80021-3682
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (303) 460-5401 Fax: (303) 460-5292
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative* of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  Signature  Date

* Attach letter of authorization if not currently on file.

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility. An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID	Description of Emissions Unit	Permit Type
001	Internal Coating Applicators, Ink Printers, Exterior Coating Applicators, and Ovens	AC1C
002	This emissions unit ID number is not assigned to any sources at this time.	NA
003	Internal Coating Applicators Baghouses	AC1F
004	Basecoater and Oven on No. 2 Line	*
005	Sludge Dryer	*
	Notes: **This project will not change the emissions from this emissions unit.	

Purpose of Application and Category

Check one (except as otherwise indicated):

Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain:

- Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.
- Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

- Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: _____

- Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit to be revised: _____

- Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: Title V permit has not been issued.

- Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: _____

Reason for revision: _____

Category II: All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain:

- Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s): _____

- Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: _____

- Air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit to be revised: _____

Reason for revision: _____

Category III: All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain:

- Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: Title V permit application being processed.

- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Current operation permit number(s): _____

- Air construction permit for one or more existing, but unpermitted, emissions units.

Application Processing Fee

Check one:

Attached - Amount: \$5,250.00

Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations: Addition of one two-piece aluminum can line at the existing facility. The addition of the new line will result in the installation of both internal and external coating applicators and the installation of several new ovens (internal coat, washer, and deco). The particulate emissions from the new internal coating applicators will be controlled by a baghouse. The VOC emissions from the new can line will be controlled by a thermal oxidizer. The thermal oxidizer will also be connected to existing lines 1 and 2 resulting in an actual decrease of VOC emissions estimated to be approximately 128 tons/yr.
2. Projected or Actual Date of Commencement of Construction: June 1999
3. Projected Date of Completion of Construction: November 1999

Professional Engineer Certification

1. Professional Engineer Name: Barry D. Andrews, P.E. Registration Number: 36024
2. Professional Engineer Mailing Address: Organization/Firm: ENSR Consulting and Engineering Street Address: 2809 West Mall Drive City: Florence State: AL Zip Code: 35630
3. Professional Engineer Telephone Numbers: Telephone: (256) 767-1210 Fax: (256) 767-1211

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein*, that:

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain a Title V source air operation permit (check here [] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.

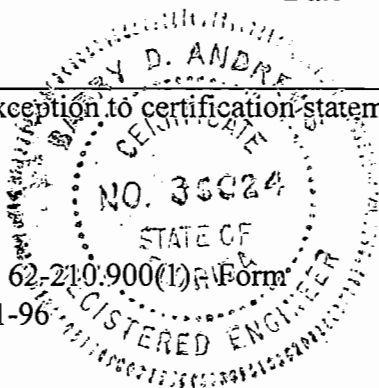
If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [] if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Barry D. Andre 1/13/99
Signature Date

(seal)

* Attach any exception to certification statement.



Application Contact

1. Name and Title of Application Contact: Name: Joette Bailey Title: Director, Environmental Services
2. Application Contact Mailing Address: Organization/Firm: Ball Packaging Operations Street Address: 9300 W. 108 th Circle City: Broomfield State: CO Zip Code: 80021-3682
3. Application Contact Telephone Numbers: Telephone: (303) 460-5433 Fax: (303) 460-5238

Application Comment

(1) Ball Metal Beverage Container Operations (Ball) is requesting an emissions cap for VOCs and Glycol Ether equal to 233.8 tons per year, an emissions cap for Glycol Ether equal to 23.3 tons per year, and an emissions cap for Particulates (PM) equal to 1.87 tons per year. In accordance with Rule 62-213.415, the Department shall allow trading of emissions increases and decreases among emission units in a Title V source. This trading of emissions shall be permitted solely for the purpose of complying with federally enforceable emissions cap that would be established in the permit independent of otherwise applicable requirements.

(2) In accordance with the introduction to these forms, Ball also requests a nitrogen oxides emissions cap of 25.6 tons per year for the entire facility.

(3) All VOC emissions are based on mass balance and knowledge of the operations.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: 17 East (km): 362.00 North (km): 3103.20			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 28 2 50 Longitude (DD/MM/SS): 82 24 30			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 34	6. Facility SIC(s): 3411
7. Facility Comment (limit to 500 characters): 			

Facility Contact

1. Name and Title of Facility Contact: Note: This is a confidential project. Ball requests that contact be limited to Joette Bailey in the corporate office at this time.
2. Facility Contact Mailing Address: Organization/Firm: Ball Metal Container Corporation Street Address: 4700 Whiteway Drive City: Tampa State: FL Zip Code: 33617-3424
3. Facility Contact Telephone Numbers: Telephone: () - Fax: () -

B. FACILITY REGULATIONS

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

According to the instructions, this section is only for those sources that are NOT a Title V source.

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-4.030	General Prohibition (Core Regulation)
62-4.040	Exemptions (Core Regulation)
62-4.050	Procedure to Obtain Permits (Core Regulation)
62-4.060	Consultation (Core Regulation)
62-4.070	Standards for Issuing or Denying Permits (Core Regulation)
62-4.080	Modification of Permit Conditions (Core Regulation)
62-4.090	Renewals (Core Regulation)
62-4.100	Suspension and Revocation (Core Regulation)
62-4.110	Financial Responsibility (Core Regulation)
62-4.120	Transfer of Permits (Core Regulation)
62-4.130	Plant Operation (Core Regulation)
62-4.150	Review (Core Regulation)
62-4.160	Permit Conditions (Core Regulation)
62-4.210	Construction Permits (Core Regulation)
62-4.220	Operation Permit for New Sources (Core Regulation)
62-103.150	Public Notice of Application and Proposed Agency Action (Core Regulation)
62-103.155	Petition for Administrative Hearing (Core Regulation)
62-210.300(1)	Air Construction Permits (Core Regulation)
62-210.300(2)	Air Operation Permits (Core Regulation)
62-210.300(5)	Notification of Startup (Core Regulation)
62-210.300(6)	Emissions Unit Reclassification (Core Regulation)

List of Applicable Regulations (Continued)

62-210.350(3)	Additional Public Notice Requirements (Core Regulation)
62-210.360	Administrative Permit Corrections (Core Regulation)
62-210.370(3)	Annual Operating Report for Air Pollutant Emitting Facility (Core Regulation)
62-210.650	Circumvention (Core Regulation)
62-210.900(1)	Application for Air Permit (Core Regulation)
62-210.900(5)	Annual Operating Report (Core Regulation)
62-213.205	Annual Operation Licensing Fee (Core Regulation)
62-213.400	Permits and Permit Revisions Required (Core Regulation)
62-213.410	Changes without Permit Revision (Core Regulation)
62-213.412	Immediate Implementation Pending Revision Process (Core Regulation)
62-213.420	Permit Applications (Core Regulation)
62-213.430	Permit Issuance, Renewal, and Revision (Core Regulation)
62-213.440	Permit Content (Core Regulation)
62-213.460	Permit Shield (Core Regulation)
62-213.900(1)	Major Air Pollution Source Annual Emissions Fee Form (Core Regulation)
62-296.320(2)	Objectionable Odor Prohibited (Core Regulation)
62-296.320(3)	Industrial, Commercial and Municipal Open Burning Prohibited (Core Regulation)
62-296.320(4)	General Particulate Emission Limiting Standards (Core Regulation)
62-296.320(1)	Volatile Organic Compounds Emission (Core Regulation)

List of Applicable Regulations (Continued)

62-296.501	Can Coating
62-204	State Implementation Plan
62-210.100	Stationary Sources Purpose and Scope
62-210.300	Stationary Sources Permits Required
62-210.300(4)	Air General Permits
62-210.350(1)	Public Notice of Proposed Agency Action
62-210.550	Stack Height Policy
62-210.700	Excess Emissions
62-213.100	Operation Permits for Major Sources Purpose and Scope
62-213.300	Title V Air General Permits
62-213.415	Trading of Emissions Within a Source
62-730	Hazardous Waste
62-737.400	Management of Spent Mercury-Containing Lamps and Devices Destined for Recycling
62-762	Aboveground Storage Tank Systems

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
VOC	A
H096	A
PM	B

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Detail Information: Pollutant 1 of 3

1. Pollutant Emitted:	VOC	
2. Requested Emissions Cap:	(lb/hour)	233.8 (tons/year)
3. Basis for Emissions Cap Code:	ESCPSD	
4. Facility Pollutant Comment (limit to 400 characters):	<p>(1) According to the program instructions, we may input either lbs/hour or tons/year for the Requested Emissions Cap.</p> <p>(2) Currently, the facility is permitted by emissions unit. In accordance with Rule 62-213-415, Ball is requesting an emissions cap to allow emissions trading within the facility (e.g., allow more Internal Coating for less Basecoat).</p>	

Facility Pollutant Detail Information: Pollutant 2 of 3

1. Pollutant Emitted:	H096	
2. Requested Emissions Cap:	(lb/hour)	23.3 (tons/year)
3. Basis for Emissions Cap Code:	ESCPSD	
4. Facility Pollutant Comment (limit to 400 characters):	<p>(1) According to the program instructions, we may input either lbs/hour or tons/year for the Requested Emissions Cap.</p> <p>(2) Currently, the facility is permitted by emissions unit. In accordance with Rule 62-213-415, Ball is requesting an emissions cap to allow emissions trading within the facility (e.g., allow more Internal Coating for less Basecoat).</p>	

Facility Pollutant Detail Information: Pollutant 3 of 3

1. Pollutant Emitted:	PM	
2. Requested Emissions Cap:	(lb/hour)	1.87 (tons/year)
3. Basis for Emissions Cap Code:	ESCRACT	
4. Facility Pollutant Comment (limit to 400 characters):	<p>(1) According to the program instructions, we may input either lbs/hour or tons/year for the Requested Emissions Cap.</p> <p>(2) The 1.87 tons/year includes particulate emissions from the Internal Coating Baghouses (003) and the Sludge Dryer (005). In accordance with Rule 62-213-415, Ball is requesting an emissions cap to allow emissions trading within the facility.</p>	

E. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested	(1) TAMPATV-1
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested	(2) TAMPATV-2a,b
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested	(3) TAMPATV-3a,b,c
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested	NA
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested	NA
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable	NA

Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt Activities: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable	(4) TAMPATV-7
8. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input type="checkbox"/> Not Applicable	NA
9. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable	(5) TAMPATV-9
10. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable	(6) TAMPATV-10

11. Identification of Additional Applicable Requirements:	<u>(7) TAMPATV-11</u>
<input type="checkbox"/> Attached, Document ID: _____	<input type="checkbox"/> Not Applicable
12. Compliance Assurance Monitoring Plan:	NA
<input type="checkbox"/> Attached, Document ID: _____	<input type="checkbox"/> Not Applicable
13. Risk Management Plan Verification:	NA
<input type="checkbox"/> Plan Submitted to Implementing Agency - Verification Attached, Document ID: _____	
<input type="checkbox"/> Plan to be Submitted to Implementing Agency by Required Date	
<input type="checkbox"/> Not Applicable	
14. Compliance Report and Plan:	<u>(8) TAMPATV-14</u>
<input type="checkbox"/> Attached, Document ID: _____	<input type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required):	<u>(9) TAMPATV-15</u>
<input type="checkbox"/> Attached, Document ID: _____	<input type="checkbox"/> Not Applicable

Note: The supplemental information identified above has already been sent to the agency as part of the original Title V permit application for which a permit has not yet been issued.

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)**

Type of Emissions Unit Addressed in This Section

Internal Coating Applicators, Ink Printers, Exterior Coating Applicators and Ovens

1. Regulated or Unregulated Emissions Unit? Check one:

] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)**

Type of Emissions Unit Addressed in This Section

Note: Emissions Unit 2 has not been assigned to any sources at this time.

1. Regulated or Unregulated Emissions Unit? Check one:

-] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
-] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

-] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
-] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
-] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

A. TYPE OF EMISSIONS UNIT (Regulated and Unregulated Emissions Units)

Type of Emissions Unit Addressed in This Section

Internal Can Coating Baghouses

1. Regulated or Unregulated Emissions Unit? Check one:

] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)**

Type of Emissions Unit Addressed in This Section

Basecoater and Oven on Line # 2.

1. Regulated or Unregulated Emissions Unit? Check one:

] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

**A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)**

Type of Emissions Unit Addressed in This Section

Sludge Dryer

1. Regulated or Unregulated Emissions Unit? Check one:

] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Information Section 1 of 5

**B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)**

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Internal Coating Applicators, Ink Printers, Exterior coating Applicators and Ovens		
2. Emissions Unit Identification Number: 001 [] No Corresponding ID [] Unknown		
3. Emissions Unit Status Code:	4. Acid Rain Unit? [] Yes [] No	5. Emissions Unit Major Group SIC Code: 34
6. Emissions Unit Comment (limit to 500 characters): The Internal Coating Applicators, Ink Printers, Exterior Coating Applicators, and Ovens for the new can line should be included as part of Emission Unit 001.		

Emissions Unit Control Equipment

A. Low Solvent Coating

1. Description (limit to 200 characters): (1) Low Solvent Coatings
2. Control Device or Method Code: 102

Emissions Unit Information Section 1 of 5 (Continued)

B. Regenerative Thermal Oxidizer

1. Description (limit to 200 characters):

- (1) **A regenerative thermal oxidizer will be installed to control VOC emissions from existing can lines 1 and 2 and the new can line (line 3).**

2. Control Device or Method Code: **022**

C.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

**B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)**

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): This ID number is currently not assigned to a source.		
2. Emissions Unit Identification Number: 002 [] No Corresponding ID [] Unknown		
3. Emissions Unit Status Code:	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 34
6. Emissions Unit Comment (limit to 500 characters): 		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

**B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)**

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Internal Can Coating Baghouses		
2. Emissions Unit Identification Number: 003 [] No Corresponding ID [] Unknown		
3. Emissions Unit Status Code: A/C	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 34
6. Emissions Unit Comment (limit to 500 characters): The internal can coating baghouse for the new can line should be included as part of this emissions unit.		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): (1) Particulate emissions from all the Internal Coating Spray machines [existing lines 1 and 2, and the new line (line 3)] lead to a low temperature Fabric Filter Baghouse (T<180F).
2. Control Device or Method Code: 018

**B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)**

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Basecoater and Oven on Line #2		
2. Emissions Unit Identification Number: 004 [] No Corresponding ID [] Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 34
6. Emissions Unit Comment (limit to 500 characters): 		

Emissions Unit Control Equipment

A. Low Solvent Coating

1. Description (limit to 200 characters): (1) Low Solvent Coating.
2. Control Device or Method Code: 102

**B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)**

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Sludge Dryer		
2. Emissions Unit Identification Number: 005 [] No Corresponding ID [] Unknown		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [] Yes [X] No	5. Emissions Unit Major Group SIC Code: 34
6. Emissions Unit Comment (limit to 500 characters): The Sludge Dryer removes ONLY water from the sludge.		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): (1) Venturi Scrubber
2. Control Device or Method Code: 53

**C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Details

Not Applicable

1. Initial Startup Date:		
2. Long-term Reserve Shutdown Date:		
3. Package Unit:		
Manufacturer:	Model Number:	
4. Generator Nameplate Rating:	MW	
5. Incinerator Information:		
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:	1900 each 2,200	Cans Per Minute (lines 1 and 2) Cans Per Minute (new line 3)
5. Operating Capacity Comment (limit to 200 characters):		
(1) Due to the variety of products used, the operating rates of this emissions unit is expressed in terms of production rate rather than throughput rate.		
(2) Oven fuel usage is reflected in Section F.		
(3) Maximum production rate based on permit limit for lines 1 and 2.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

**C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Details This emissions unit number is not currently assigned.

1. Initial Startup Date:		
2. Long-term Reserve Shutdown Date:		
3. Package Unit:		
Manufacturer:	Model Number:	
4. Generator Nameplate Rating:	MW	
5. Incinerator Information:		
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	hours/day	days/week
	weeks/year	hours/year

Emissions Unit Information Section 3 of 5

**C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Details

Not Applicable

1. Initial Startup Date:		
2. Long-term Reserve Shutdown Date:		
3. Package Unit:		
Manufacturer:	Model Number:	
4. Generator Nameplate Rating:	MW	
5. Incinerator Information:		
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:	1900 each 2,200	Cans Per Minute (lines 1 and 2) Cans Per Minute (new line 3)
5. Operating Capacity Comment (limit to 200 characters):		
(1) Due to the variety of products used, the operating rates of this emissions unit is expressed in terms of production rate rather than throughput rate.		
(2) Oven fuel usage is reflected in Section F.		
(3) Maximum production rate based on permit limit for lines 1 and 2.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	hours/day	days/week
	weeks/year	hours/year

Emissions Unit Information Section 4 of 5

**C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Details

Not Applicable

1. Initial Startup Date:		
2. Long-term Reserve Shutdown Date:		
3. Package Unit:		
Manufacturer:	Model Number:	
4. Generator Nameplate Rating:	MW	
5. Incinerator Information:		
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:	1900	Cans Per Minute (line 2)
5. Operating Capacity Comment (limit to 200 characters):		
(1) Due to the variety of products used, the operating rates of this emissions unit is expressed in terms of production rate rather than throughput rate.		
(2) Oven fuel usage is reflected in Section F.		
(3) Maximum production rate based on permit limit.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

**C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)**

Emissions Unit Details

Not Applicable

1. Initial Startup Date:		
2. Long-term Reserve Shutdown Date:		
3. Package Unit: Manufacturer:	Model Number:	
4. Generator Nameplate Rating:	MW	
5. Incinerator Information:		
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	0	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:	200 Pounds Per Hour	
4. Maximum Production Rate:		
5. Operating Capacity Comment (limit to 200 characters): (1) The throughput rate is the amount of dry cake weight output by the Sludge Dryer.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

**D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

According to the instructions, this section is only for those sources that are NOT a Title V source.

**D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

According to the instructions, this section is only for those sources that are NOT a Title V source.

**D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

According to the instructions, this section is only for those sources that are NOT a Title V source.

**D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

According to the instructions, this section is only for those sources that are NOT a Title V source.

**D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)**

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

According to the instructions, this section is only for those sources that are NOT a Title V source.

Emissions Unit Information Section 1 of 5

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-296.511	Solvent Metal Cleaning
62-213.415	Trading of Emissions Within a Source
40 CFR 60.492(c)	Subpart WW Standards of Performance for the Beverage Can Surface Coating Industry
40 CFR 60 Subpart A	General Provisions

Emissions Unit Information Section 2 of 5

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

This emissions unit number is not assigned at this time.	

Emissions Unit Information Section 4 of 5

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-213.415	Trading of Emissions Within a Source
62-296.511	Solvent Metal Cleaning
40 CFR 60.492(c)	Subpart WW Standards of Performance for the Beverage Can Surface Coating Industry
40 CFR 60 Subpart A	General Provisions

Emissions Unit Information Section 5 of 5

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-296.712	Miscellaneous Manufacturing Process Operations
62-213.415	Trading of Emissions Within a Source

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 1 – Line 1 DECO Oven Exhaust Note: This vent will be ducted to the thermal oxidizer which will have a single stack (Stack 25)	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	52 feet
7. Exit Diameter:	1.10 feet
8. Exit Temperature:	205°F

Emissions Unit Information Section 1 of 5

9. Actual Volumetric Flow Rate:	1,400 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 2 – Line 1 Inker Exhaust	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	52 feet
7. Exit Diameter:	1.10 feet
8. Exit Temperature:	205°F

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):	 Stack 3 – Line 1 Internal Coat Oven Exhaust Z1 and Z2 Note: These vents will be ducted to the thermal oxidizer which will have a single stack (Stack 25).
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:	 Not Applicable
5. Discharge Type Code:	<input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters):	
<p>(1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.</p>	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 4 – Line 1 Internal Coat Oven Exit Hood Note: This vent will be ducted to the thermal oxidizer which will have a single stack (Stack 25)	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): <p>(1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.</p>	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 5 – Line 1 Internal Coat Oven Exhaust Z3 Note: This vent will be ducted to the thermal oxidizer which will have a single stack (Stack 25).	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters):	
<p>(1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.</p>	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 7 – Line 2 DECO Pin Oven Exhaust Note: This vent will be ducted to the thermal oxidizer which will have a single stack (Stack 25).	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	52 feet
7. Exit Diameter:	1.10 feet
8. Exit Temperature:	205°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	1,400 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters):	
<p>(1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.</p>	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 1, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 8 – Line 2 Inker Exhaust	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	52 feet
7. Exit Diameter:	1.10 feet
8. Exit Temperature:	205°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	1,400 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 10 – Line 2 Internal Coat Oven Exhaust Z1 and Z2 Note: These vents will be ducted to the thermal oxidizer which will have a single stack (Stack 25).	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters):	
<p>(1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.</p>	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 11 – Line 2 Internal Coat Oven Exhaust Z3 Note: This vent will be ducted to the thermal oxidizer which will have a single stack (Stack 25).	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 20, 25, 26, 27
2. Emission Point Type Code: [] 1 [] 2 [X] 3 [] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 12 – Line 2 Internal Coat Oven Exit Hood Note: This vent will be ducted to the thermal oxidizer which will have a single stack (Stack 25).	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: [] D [] F [] H [] P [] R [] V [X] W	
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 2, 3, 8, 20, 25, 26, 27	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): <p>Stack 25 – Line 3 DECO Pin Oven Exhaust; Internal Coat Oven Exhausts Z1, Z2 and Z3, Internal Coat Oven Exit Hood and Existing Stacks (1, 3, 4, 5, 7, 10, 11, and 12) from Lines 1 and 2.</p>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <p>Not Applicable</p>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	66.8 feet
7. Exit Diameter:	3.83 feet
8. Exit Temperature:	400°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	33,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 2, 3, 8, 20, 25, 26, 27	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 26 – Line 3 Inker Exhaust	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	52 feet
7. Exit Diameter:	1.10 feet
8. Exit Temperature:	205°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	1,400 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 2,3, 8, 20, 25, 26, 27	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 27 – Line 3 Washer Exhaust	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	52 feet
7. Exit Diameter:	1.10 feet
8. Exit Temperature:	205°F

Emissions Unit Information Section 1 of 5 (Continued)

9. Actual Volumetric Flow Rate:	1,400 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.	

E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

Note: This emissions unit number has not been assigned to any sources.

1. Identification of Point on Plot Plan or Flow Diagram:
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> W
6. Stack Height: feet
7. Exit Diameter: feet
8. Exit Temperature: °F

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 13, 28	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): <p align="center">Stack 13 – Baghouse (Internal Coating on Lines 1 and 2)</p>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <p align="center">Not Applicable</p>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 3 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 13, 28	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): <p align="center">Stack 28 – Baghouse (Internal Coating on Line 3)</p>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <p align="center">Not Applicable</p>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	43 feet
7. Exit Diameter:	1.70 feet
8. Exit Temperature:	224°F

Emissions Unit Information Section 3 of 5 (Continued)

9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 6, 9	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): <p>Stack 6 – Line 2 Basecoater Pin Oven Exhaust</p>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <p>Not Applicable</p>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	44 feet
7. Exit Diameter:	1.40 feet
8. Exit Temperature:	227°F

Emissions Unit Information Section 4 of 5 (Continued)

9. Actual Volumetric Flow Rate:	3,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): (1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 6, 9	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): <p style="margin-left: 40px;">Stack 9 – Line 2 Basecoater Hood</p>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: <p style="margin-left: 40px;">Not Applicable</p>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	44 feet
7. Exit Diameter:	1.40 feet
8. Exit Temperature:	227°F

Emissions Unit Information Section 4 of 5 (Continued)

9. Actual Volumetric Flow Rate:	3,000 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): <p>(1) Numbers 4, 10, 11, 12 and 13 are Not Applicable. Stack information reflects an average of all stacks associated with this emissions unit. ELSA does not allow multiple stack data entry.</p>	

**E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)**

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 24	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Stack 24 – Sludge Dryer Exhaust	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Not Applicable	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input checked="" type="checkbox"/> W	
6. Stack Height:	40 feet
7. Exit Diameter:	0.8 feet
8. Exit Temperature:	138°F

Emissions Unit Information Section 5 of 5 (Continued)

9. Actual Volumetric Flow Rate:	1,100 acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment (limit to 200 characters): <p style="text-align: center;">Numbers 4, 10, 11, 12 and 13 are Not Applicable to this emissions unit.</p>	

**F. SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)**

Segment Description and Rate: Segment 1 of 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Internal Coating	
2. Source Classification Code (SCC): 4-02-017-22	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): (1) Numbers 6, 7, 8, 9 and 10 are Not Applicable to this segment. (2) Internal Coating is regulated by VOC emissions rather than throughput.	

Emissions Unit Information Section 1 of 5

Segment Description and Rate: Segment 2 of 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Printing	
2. Source Classification Code (SCC): 4-02-017-27	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): (1) Numbers 6, 7, 8, 9 and 10 are Not Applicable to this segment. (2) Printing operations are regulated by VOC emissions rather than the maximum hourly or annual rate.	

Emissions Unit Information Section 1 of 5

Segment Description and Rate: Segment 3 of 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Overvarnish, Rimcoat, Bottomcoat	
2. Source Classification Code (SCC): 4-02-017-28	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): (1) Numbers 6, 7, 8, 9 and 10 are Not Applicable to this segment. (2) Exterior coating operations are regulated by VOC emissions rather than the maximum hourly or annual rate.	

Emissions Unit Information Section 1 of 5

Segment Description and Rate: Segment 4 of 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Natural Gas Combustion (Ovens/Thermal Oxidizer)	
2. Source Classification Code (SCC): 4-02-010-01	
3. SCC Units: Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate: 0.071	5. Maximum Annual Rate: 623
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:0.00	8. Maximum Percent Ash: 0.00
9. Million Btu per SCC Unit: 1,000	
10. Segment Comment (limit to 200 characters): Number 6 is Not Applicable to this segment.	

Emissions Unit Information Section 1 of 5

Segment Description and Rate: Segment 5 of 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Equipment Cleaning	
2. Source Classification Code (SCC): 4-02-017-05	
3. SCC Units: Gallons Used	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): (1) Numbers 6, 7, 8, 9 and 10 are Not Applicable to this segment. (2) Equipment Cleanup is regulated by VOC emissions rather than throughput.	

Emissions Unit Information Section 2 of 5

Segment Description and Rate: Segment _____

This emissions unit number is not assigned at this time.

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units: Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

Emissions Unit Information Section 3 of 5

Segment Description and Rate: Segment NA (Emissions unit is a baghouse)

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC): 4-02-017-05	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): (1) Numbers 6, 7, 8, 9 and 10 are Not Applicable to this segment.	

Emissions Unit Information Section 4 of 5

Segment Description and Rate: Segment 1 of 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Basecoat	
2. Source Classification Code (SCC): 4-02-017-21	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): (1) Numbers 6, 7, 8, 9 and 10 are Not Applicable to this segment. (2) Basecoating operations are regulated by VOC emissions rather than the maximum hourly or annual rate.	

Emissions Unit Information Section 4 of 5

Segment Description and Rate: Segment 2 of 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Natural Gas Ovens	
2. Source Classification Code (SCC): 4-02-010-01	
3. SCC Units:	
4. Maximum Hourly Rate: 0.004	5. Maximum Annual Rate: 35.04
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur: 0.00	8. Maximum Percent Ash: 0.00
9. Million Btu per SCC Unit: 1,000	
10. Segment Comment (limit to 200 characters): Number 6 is Not Applicable to this segment.	

Emissions Unit Information Section 4 of 5

Segment Description and Rate: Segment 3 of 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Equipment Cleanup	
2. Source Classification Code (SCC): 4-02-017-05	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters): (1) Numbers 6, 7, 8, 9 and 10 are Not Applicable to this segment. (2) Equipment Cleanup operations are regulated by VOC emissions rather than the maximum hourly or annual rate.	

Emissions Unit Information Section 5 of 5

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Natural Gas Sludge Dryer	
2. Source Classification Code (SCC): 3-99-900-04	
3. SCC Units: Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate: 0.00	5. Maximum Annual Rate: 0.88
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur: 0.00	8. Maximum Percent Ash: 0.00
9. Million Btu per SCC Unit: 1,000	
10. Segment Comment (limit to 200 characters): Number 6 is Not Applicable to this segment.	

Emissions Unit Information Section 1 of 5

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information: Pollutant 1

1. Pollutant Emitted:	VOC
2. Total Percent Efficiency of Control:	76%
3. Potential Emissions:	lb/hour 174 tons/year
4. Synthetically Limited? [X] Yes [] No	
5. Range of Estimated Fugitive/Other Emissions: [] 1 [X] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: Reference:	
7. Emissions Method Code: [] 0 [] 1 [X] 2 [] 3 [] 4 [] 5	
8. Calculation of Emissions (limit to 600 characters): Potential emissions are a function of the maximum line speed, coating application film weight, 8,760 hours of operation per year, the coating with the highest VOC content, and control efficiency.	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):	

Emissions Unit Information Section 1 of 5

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information: Pollutant 2

1. Pollutant Emitted:	H096
2. Total Percent Efficiency of Control:	76%
3. Potential Emissions:	lb/hour 17.3 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions: [] 1 [X] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: Reference:	
7. Emissions Method Code: [] 0 [] 1 [X] 2 [] 3 [] 4 [] 5	
8. Calculation of Emissions (limit to 600 characters): Potential emissions are a function of the maximum line speed, coating application film weight, 8,760 hours of operation per year, the highest VOC content, and control efficiency.	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):	

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information: Pollutant Emissions Unit No. 2 is not assigned at this time.

1. Pollutant Emitted:		
2. Total Percent Efficiency of Control:		%
3. Potential Emissions:	lb/hour	tons/year
4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year		
6. Emission Factor: Reference:		
7. Emissions Method Code: <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
8. Calculation of Emissions (limit to 600 characters):		
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):		

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information: Pollutant 1

1. Pollutant Emitted:	PM
2. Total Percent Efficiency of Control:	95%
3. Potential Emissions:	lb/hour 1.87 tons/year
4. Synthetically Limited? [X] Yes [] No	
5. Range of Estimated Fugitive/Other Emissions: [] 1 [] 2 [] 3 [X] 4	0.00 to 0.10 tons/year
6. Emission Factor: Reference:	
7. Emissions Method Code: [X] 0 [] 1 [] 2 [] 3 [] 4 [] 5	
8. Calculation of Emissions (limit to 600 characters):	<p>The Internal Coating Baghouse particulate emissions were tested at less than 0.22 pounds/hour. The efficiency of the baghouse is 95% to 99%. The emission rate from the existing baghouse has been used to estimate the emissions from the new baghouse.</p>
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):	<p>(1) Field 3 represents particulate emissions for the entire facility (i.e., Internal Coating Baghouses and the Sludge Dryer). Particulate emissions from the existing Baghouse alone are 0.96 tpy. The emissions from the new baghouse are estimated to be 0.56 tpy.</p>

Emissions Unit Information Section 4 of 5

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information: Pollutant 1

1. Pollutant Emitted:	VOC
2. Total Percent Efficiency of Control:	%
3. Potential Emissions:	lb/hour 40 tons/year
4. Synthetically Limited? [X] Yes [] No	
5. Range of Estimated Fugitive/Other Emissions: [X] 1 [] 2 [] 3 _____ to _____ tons/year	
6. Emission Factor: Reference:	
7. Emissions Method Code: [] 0 [] 1 [X] 2 [] 3 [] 4 [] 5	
8. Calculation of Emissions (limit to 600 characters): Potential emissions are a function of the maximum line speed, coating application film weight, 8,760 hours of operation per year, and the coating with the highest VOC content.	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):	

Emissions Unit Information Section 4 of 5

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information: Pollutant 2

1. Pollutant Emitted:	H096
2. Total Percent Efficiency of Control:	%
3. Potential Emissions:	lb/hour 6 tons/year
4. Synthetically Limited? [] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions: [] 1 [] 2 [X] 3 _____ to _____ tons/year	
6. Emission Factor: Reference:	
7. Emissions Method Code: [] 0 [] 1 [X] 2 [] 3 [] 4 [] 5	
8. Calculation of Emissions (limit to 600 characters):	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):	

**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

Pollutant Detail Information: Pollutant 1

1. Pollutant Emitted:	PM
2. Total Percent Efficiency of Control:	98.00%
3. Potential Emissions:	lb/hour 1.87 tons/year
4. Synthetically Limited? [X] Yes [] No	
5. Range of Estimated Fugitive/Other Emissions: [] 1 [] 2 [] 3 [X] 4 <u>0.00</u> to <u>0.10</u> tons/year	
6. Emission Factor: Reference:	
7. Emissions Method Code: [] 0 [] 1 [X] 2 [] 3 [] 4 [] 5	
8. Calculation of Emissions (limit to 600 characters): The particulate emissions from the Sludge Dryer are limited by the Permit to Operate No. A029-203007. Condition 2 states that "The permittee shall not allow emissions of particulate matter in excess of 0.03 gr/dscf".	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): Field 3 represents particulate emissions for the entire facility (i.e., Internal Coating Baghouse and the Sludge Dryer). Particulate emissions from the Sludge Dryer alone are 0.35 tpy.	

Emissions Unit Information Section 1 of 5

Allowable Emissions (Pollutant identified on front of page)

A. VOC

1. Basis for Allowable Emissions Code:	ESCPSD
2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units:	
4. Equivalent Allowable Emissions:	lb/hour 233.8 tons/year
5. Method of Compliance (limit to 60 characters):	Recording daily estimate, corrected by weekly inventories.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):	VOC – Field 4 (233.8 tons/year) represents emissions for the entire facility. One emission limit for VOC allows flexibility of trading emissions within the facility (e.g., more IC for less Basecoat).

B. H096

1. Basis for Allowable Emissions Code:	ESCPSD
2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units:	
4. Equivalent Allowable Emissions:	lb/hr 23.3 tons/year
5. Method of Compliance (limit to 60 characters):	Recording daily estimate, corrected by weekly inventories.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):	H096 – Field 4 (23.3 tons/year) represents emissions for the entire facility. One emission limit for VOC allows flexibility for trading emissions within the facility (e.g., more IC for less Basecoat).

Emissions Unit Information Section 2 of 5

Allowable Emissions (Pollutant identified on front of page)

A. This emissions unit number is not assigned.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

Emissions Unit Information Section 3 of 5

Allowable Emissions (Pollutant identified on front of page)

A. PM

1. Basis for Allowable Emissions Code:	ESCRACT	
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hour	1.87 tons/year
5. Method of Compliance (limit to 60 characters):	Recordkeeping and maintenance.	
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):	Field 4 (1.87 tons/year) represents emissions for the entire facility. One emission limit for PM allows flexibility of trading emissions within the facility.	

B.

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance (limit to 60 characters):		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

Emissions Unit Information Section 4 of 5

Allowable Emissions (Pollutant identified on front of page)

A. VOC

1. Basis for Allowable Emissions Code:	ESCPSD
2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units:	
4. Equivalent Allowable Emissions:	lb/hour 233.8 tons/year
5. Method of Compliance (limit to 60 characters):	Recording daily estimate, corrected by weekly inventories.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):	<p>VOC – Field 4 (233.8 tons/year) represents emissions for the entire facility. One emission limit for VOC allows flexibility of trading emissions within the facility (e.g., more IC for less Basecoat).</p>

B. H096

1. Basis for Allowable Emissions Code:	ESCPSD
2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units:	
4. Equivalent Allowable Emissions:	lb/hr 23.3 tons/year
5. Method of Compliance (limit to 60 characters):	Recording daily estimate, corrected by weekly inventories.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):	<p>H096 – Field 4 (23.3 tons/year) represents emissions for the entire facility. One emission limit for VOC allows flexibility for trading emissions within the facility (e.g., more IC for less Basecoat).</p>

Emissions Unit Information Section 5 of 5

Allowable Emissions (Pollutant identified on front of page)

A. PM

1. Basis for Allowable Emissions Code:	OTHER	
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hour	1.87 tons/year
5. Method of Compliance (limit to 60 characters):	Recordkeeping and maintenance.	
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):	Field 4 (1.87 tons/year) represents emissions for the entire facility. One emission limit for PM allows flexibility of trading emissions within the facility.	

B.

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance (limit to 60 characters):		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

Emissions Unit Information Section 1 of 5

**I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)**

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype:	VE
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: 20% Exceptional Conditions: 20% Maximum Period of Excess Opacity Allowed: 5 min/hour
4. Method of Compliance:	EPA Method 9
5. Visible Emissions Comment (limit to 200 characters):	(1) Current permit limits states that visible emissions shall not exceed 20% capacity. (2) Visible emissions from the baghouse shall not exceed 5% opacity. (3) Pollutant 1 = VOC.

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype:	VE
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: 20% Exceptional Conditions: 20% Maximum Period of Excess Opacity Allowed: 5 min/hour
4. Method of Compliance:	EPA Method 9
5. Visible Emissions Comment (limit to 200 characters):	(1) Current permit limits states that visible emissions shall not exceed 20% capacity. (2) Visible emissions from the baghouse shall not exceed 5% opacity. (3) Pollutant 2 = H096.

Emissions Unit Information Section 2 of 5

**I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)**

Visible Emissions Limitation: Visible Emissions Limitation

This emissions unit number is not assigned.

1. Visible Emissions Subtype:	VE
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Requested Allowable Opacity:	
Normal Conditions:	20% Exceptional Conditions: 20%
Maximum Period of Excess Opacity Allowed:	5 min/hour
4. Method of Compliance:	EPA Method 9
5. Visible Emissions Comment (limit to 200 characters):	
	(1) Pollutant 1 = VOC.

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype:	VE
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	
Normal Conditions:	5% Exceptional Conditions: 5%
Maximum Period of Excess Opacity Allowed:	5 min/hour
4. Method of Compliance:	EPA Method 9
5. Visible Emissions Comment (limit to 200 characters):	
	(1) Visible emissions from the baghouse shall not exceed 5% opacity. (2) Pollutant 3 = PM.

Emissions Unit Information Section 4 of 5

**I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)**

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype:	VE
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: 20% Exceptional Conditions: 20% Maximum Period of Excess Opacity Allowed: 5 min/hour
4. Method of Compliance:	EPA Method 9
5. Visible Emissions Comment (limit to 200 characters):	(1) Pollutant 1 = VOC.

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype:	VE
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: 20% Exceptional Conditions: 20% Maximum Period of Excess Opacity Allowed: 5 min/hour
4. Method of Compliance:	EPA Method 9
5. Visible Emissions Comment (limit to 200 characters):	(1) Current permit limits states that visible emissions shall not exceed 20% capacity. (2) Visible emissions from the baghouse shall not exceed 5% opacity. (3) Pollutant 2 = H096.

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype:	VE
2. Basis for Allowable Opacity:	<input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Requested Allowable Opacity:	Normal Conditions: 5% Exceptional Conditions: 5% Maximum Period of Excess Opacity Allowed: 5 min/hour
4. Method of Compliance:	EPA Method 9
5. Visible Emissions Comment (limit to 200 characters):	(1) Pollutant 1 = PM.

**J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)**

Continuous Monitoring System: Continuous Monitor NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)**

Continuous Monitoring System: Continuous Monitor NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)**

Continuous Monitoring System: Continuous Monitor NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)**

Continuous Monitoring System: Continuous Monitor NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT
TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)**

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

-] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 1 of 5

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

-] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
SO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
NO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment (limit to 200 characters):			
According to the instructions, Field 4 should be left blank for this particular emission unit.			

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT
TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)**

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

-] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 2 of 5

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

-] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
SO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
NO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment (limit to 200 characters):			
According to the instructions, Field 4 should be left blank for this particular emission unit.			

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT
TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)**

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

-] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 3 of 5

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

-] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
SO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
NO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment (limit to 200 characters):			
According to the instructions, Field 4 should be left blank for this particular emission unit.			

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT
TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)**

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

-] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 4 of 5

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
SO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
NO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment (limit to 200 characters):			
According to the instructions, Field 4 should be left blank for this particular emission unit.			

**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT
TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)**

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

-] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 5 of 5

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

-] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
-] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
SO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
NO2	<input type="checkbox"/>] C	<input type="checkbox"/>] E	<input checked="" type="checkbox"/>] Unknown
4. Baseline Emissions:			
PM	lb/hour	tons/year	
SO2	lb/hour	tons/year	
NO2		tons/year	
5. PSD Comment (limit to 200 characters):			
According to the instructions, Field 4 should be left blank for this particular emission unit.			

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 1 of 5

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (11) 1C-TRADING
12. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

This emissions unit number is not assigned.

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

Emissions Unit Information Section 2 of 5

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)**

Supplemental Requirements for All Applications

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID (10) Baghouse <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 3 of 5

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 4 of 5

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)**

Supplemental Requirements for All Applications

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Emissions Unit Information Section 4 of 5

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (13) BC-TRADING
12. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)**

Supplemental Requirements for All Applications

<p>1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID(14) <u>SD-DRYER</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested</p>
<p>5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>

Emissions Unit Information Section 5 of 5

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (15) SD-TRADING
12. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

APPENDIX B
Emissions Calculations

Future Potential-To-Emit Calculations

Existing Lines 1 and 2

Given: From Title V Application Potential-To-Emit was provided on an Emissions Unit Basis for VOC as follows:

Internal Coating Applicators	-	350 tons per year
Ink Printers, Exterior Coating Applicators	-	107 tons per year
Base Coating	-	40 tons per year

Controlled Emissions:

Installation of a thermal oxidizer will control at least 95% of captured VOC. Experience indicates that 80% of the VOC can be captured. The plans are to control the VOC emissions from the internal coating applicators, ink printers, and exterior coating applicators (basecoating is not controlled).

Thus

$$\text{Future PTE (existing lines)} = 457(0.2) + 457(0.8)(0.05) + 40 = 149.7 \text{ tons per year}$$

91.4
118.5

New Line (Line 3)

Given: The new line will be similar to the existing lines, except the line speed will be 2,200 cans per minute, and will not apply basecoat.

Thus, uncontrolled emissions calculated as

$$\left(\frac{457 \frac{\text{tons}}{\text{yr}}}{2} \right) \left(\frac{2,200}{1,900} \right) = 264.6 \frac{\text{tons}}{\text{yr}}$$

Applying Control:

$$(264.6)(0.2) + (264.6)(0.8)(0.05) = 63.5 \frac{\text{tons}}{\text{yr}}$$

Other VOC Emissions

Natural Gas Combustion (Facility Wide) = 0.2 tons/yr.

Cleanup Solvents:

Based on an actual average of 9.73 tons per year for two lines, potential emissions for future facility including the new 3rd line are estimated to be 20 tons per year.

Future Potential-To-Emit Summary

Existing Lines (1 and 2)	-	149.7 TPY
New Line (Line 3)	-	63.5 TPY
Combustion Sources	-	0.6 TPY
Cleanup Solvents	-	<u>20.0</u> TPY
	Total	233.8 TPY

HAPS Emissions:

Maximum HAP (glycol ethers) content expected to be 10% for internal and external coatings and 15% for basecoat.

Thus for Internal Coating and External Coating
 $= (149.7 + 63.5)(0.10) = 21.4$ tons/yr.
 Basecoating $= (40)(0.15) = 6.0$ tons/yr.
 Total $= 27.4$ tons/yr.

(63.5)(.10) = 6.35 TPY glycol ethers

Particulate Emissions

Existing facility emits total of 1.31 tons per year (0.96 tpy for Internal Coating Baghouse and 0.35 tons per year for Sludge Dryer).

Estimated particulate emissions from internal coating on the new line (line 3) are calculated as follows:

$$\frac{0.96 \text{ tons}}{\text{yr}} \times \frac{2,200}{1,900} = \frac{0.56 \text{ tons}}{\text{yr}}$$

Thus, future potential-to-emit for facility = 1.31 + 0.56 = 1.87 tons/yr.

Estimate of Actual VOC Emissions Reductions

Given: The Whiteway Drive facility will likely operate at the same capacity factor with three lines as it presently does with two lines.

From actual emissions summary, average actual emissions from can coating alone = 216.26 tons per year for two lines.

Thus, actual emissions for future facility taking into consideration addition of 3rd line and thermal oxidizer =

$$\left[216.26 + \frac{216.26}{2} \times \frac{2,200}{1,900} \right] (0.2) + \left[216.26 + \frac{216.26}{2} \times \frac{2,200}{1,900} \right] (0.8)(0.05) = \frac{82.0 \text{ tons}}{\text{yr}}$$

To this add actual emissions from basecoating (1.07 tons/yr) + future actual emissions expected from fuel burning equipment =

$$\frac{\frac{75.3 \text{ MMBtu}}{\text{hr}}}{48.9 \text{ MMBtu/hr}} \times \frac{0.357 \text{ ton}}{\text{hr}} = \frac{0.55 \text{ tons}}{\text{yr}}$$

Also, future actual emissions expected from cleanup solvents estimated to be

$$9.73 \text{ tpy} + \frac{9.73 \text{ tpy}}{2} \times \frac{2,200}{1,900} = \frac{15.36 \text{ tons}}{\text{yr}}$$

Thus, Total Future Actuals =

82.0	(internal/external)
1.07	(basecoating)
0.55	(fuel burning)
<u>15.36</u>	<u>(cleanup solvents)</u>
99.0	tons/yr.

Actual Emissions decrease = 227.4 – 99.0 = 128.4 tons/yr.

Natural Gas Combustion Emission Calculations

Source	Natural Gas Combustion		
	Heat Input (BTU/hr)	Max. Annual Input (MMBtu/yr)	Usage (days/yr)
Existing Ovens (Lines 1 and 2)	44,800,000	392,448	365
Base Coating Oven on Line 2	4,000,000	35,040	365
New Ovens (Line 3)	22,400,000	196,224	365
Thermal Oxidizer	4,000,000	35,040	365
Existing Sludge Dryer	100,000	876	365

Emission Factors

Pollutant	Emission Factor for Natural Gas (lb/million ft ³)	Emission Factor for Natural Gas (lb/MM Btu)
TSP	13	0.01300000
CO	29	0.02900000
NOx	120	0.12000000
SO2	0.6	0.00060000
VOC	2.8	0.00280000
Formaldehyde	1.55E-03	0.00000155
Napthalene	2.40E-04	0.00000024
Arsenic	2.30E-04	0.00000023
Chromium	1.10E-03	0.00000110
Cobalt	1.20E-04	0.00000012
Lead	2.71E-04	0.00000027
Manganese	3.81E-04	0.00000038
Nickel	3.61E-03	0.00000361

Natural Gas Combustion
Emission Calculations

Emission Calculations

Existing Ovens (Lines 1 and 2)

Emissions	lb/hr	ton/yr
TSP	0.582	2.551
CO	1.299	5.690
NOx	5.376	23.547
SO2	0.027	0.118
VOC	0.125	0.549
Formaldehyde	6.944E-05	3.041E-04
Napthalene	1.075E-05	4.709E-05
Arsenic	1.030E-05	4.513E-05
Chromium	4.928E-05	2.158E-04
Cobalt	5.376E-06	2.355E-05
Lead	1.214E-05	5.318E-05
Manganese	1.707E-05	7.476E-05
Nickel	1.617E-04	7.084E-04
Total HAPs	3.361E-04	1.472E-03

Base Coating Oven on Line 2

Emissions	lb/hr	ton/yr
TSP	0.052	0.228
CO	0.116	0.508
NOx	0.480	2.102
SO2	0.002	0.011
VOC	0.011	0.049
Formaldehyde	6.200E-06	2.716E-05
Napthalene	9.600E-07	4.205E-06
Arsenic	9.200E-07	4.030E-06
Chromium	4.400E-06	1.927E-05
Cobalt	4.800E-07	2.102E-06
Lead	1.084E-06	4.748E-06
Manganese	1.524E-06	6.675E-06
Nickel	1.444E-05	6.325E-05
Total HAPs	3.001E-05	1.314E-04

New Ovens (Line 3)

Emissions	lb/hr	ton/yr
TSP	0.291	1.275
CO	0.650	2.845
NOx	2.688	11.773
SO2	0.013	0.059
VOC	0.063	0.275
Formaldehyde	3.472E-05	1.521E-04
Napthalene	5.376E-06	2.355E-05
Arsenic	5.152E-06	2.257E-05
Chromium	2.464E-05	1.079E-04
Cobalt	2.688E-06	1.177E-05
Lead	6.070E-06	2.659E-05
Manganese	8.534E-06	3.738E-05
Nickel	8.086E-05	3.542E-04
Total HAPs	1.680E-04	7.360E-04

Thermal Oxidizer

Emissions	lb/hr	ton/yr
TSP	0.052	0.228
CO	0.116	0.508
NOx	0.480	2.102
SO2	0.002	0.011
VOC	0.011	0.049
Formaldehyde	6.200E-06	2.716E-05
Napthalene	9.600E-07	4.205E-06
Arsenic	9.200E-07	4.030E-06
Chromium	4.400E-06	1.927E-05
Cobalt	4.800E-07	2.102E-06
Lead	1.084E-06	4.748E-06
Manganese	1.524E-06	6.675E-06
Nickel	1.444E-05	6.325E-05
Total HAPs	3.001E-05	1.314E-04

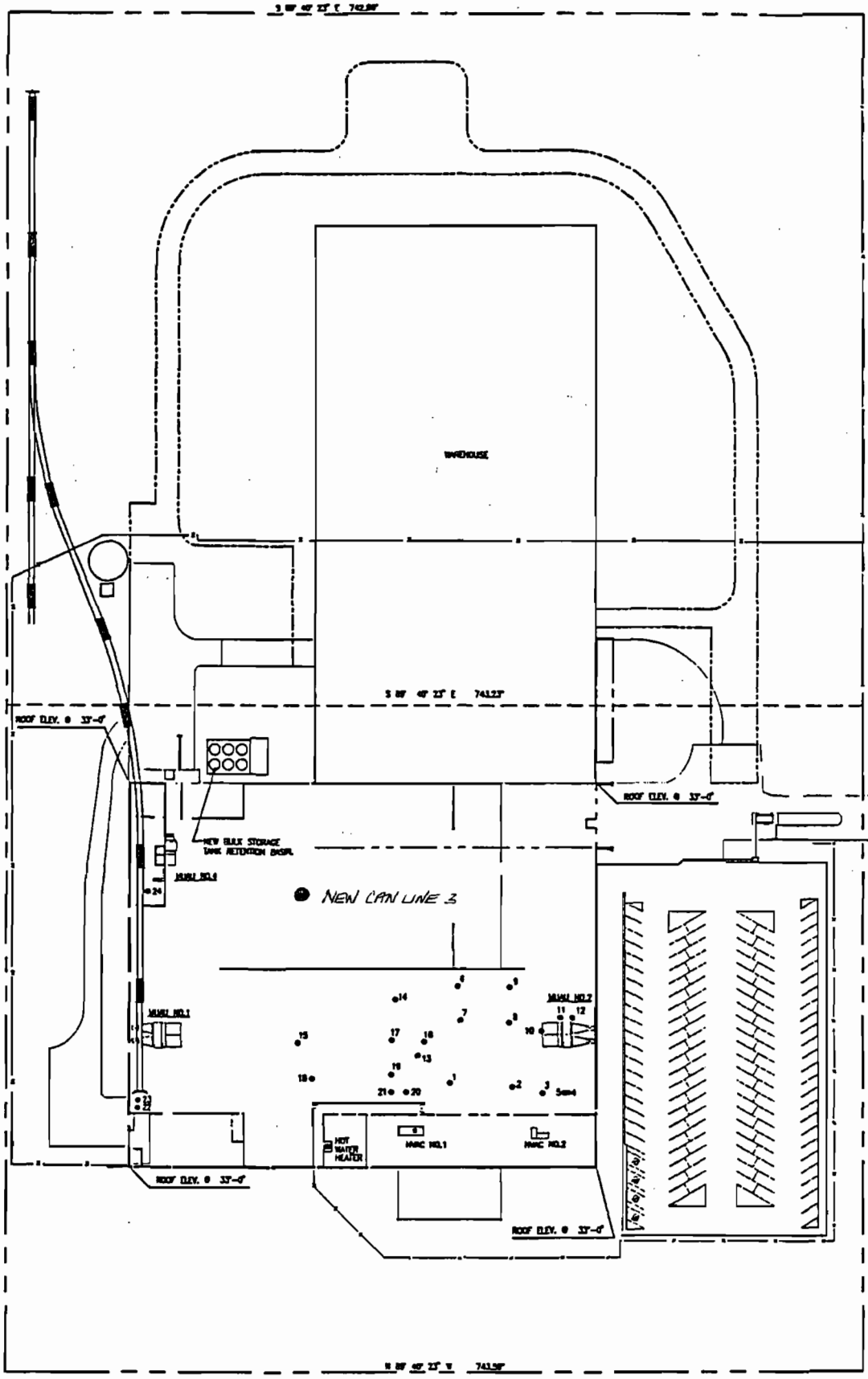
Existing Sludge Dryer

Emissions	lb/hr	ton/yr
TSP	0.001	0.006
CO	0.003	0.013
NOx	0.012	0.053
SO2	0.000	0.000
VOC	0.000	0.001
Formaldehyde	1.550E-07	6.789E-07
Napthalene	2.400E-08	1.051E-07
Arsenic	2.300E-08	1.007E-07
Chromium	1.100E-07	4.818E-07
Cobalt	1.200E-08	5.256E-08
Lead	2.710E-08	1.187E-07
Manganese	3.810E-08	1.669E-07
Nickel	3.610E-07	1.581E-06
Total HAPs	7.502E-07	3.286E-06

Total

Emissions	lb/hr	ton/yr
TSP	0.634	2.779
CO	1.415	6.199
NOx	5.856	25.649
SO2	0.029	0.128
VOC	0.137	0.598
Formaldehyde	0.000	0.000
Napthalene	1.171E-05	5.130E-05
Arsenic	1.122E-05	4.916E-05
Chromium	5.368E-05	2.351E-04
Cobalt	0.000	0.000
Lead	1.322E-05	5.792E-05
Manganese	0.000	0.000
Nickel	0.000	0.001
Total HAPs	3.66E-04	1.60E-03

APPENDIX C
Additional Information

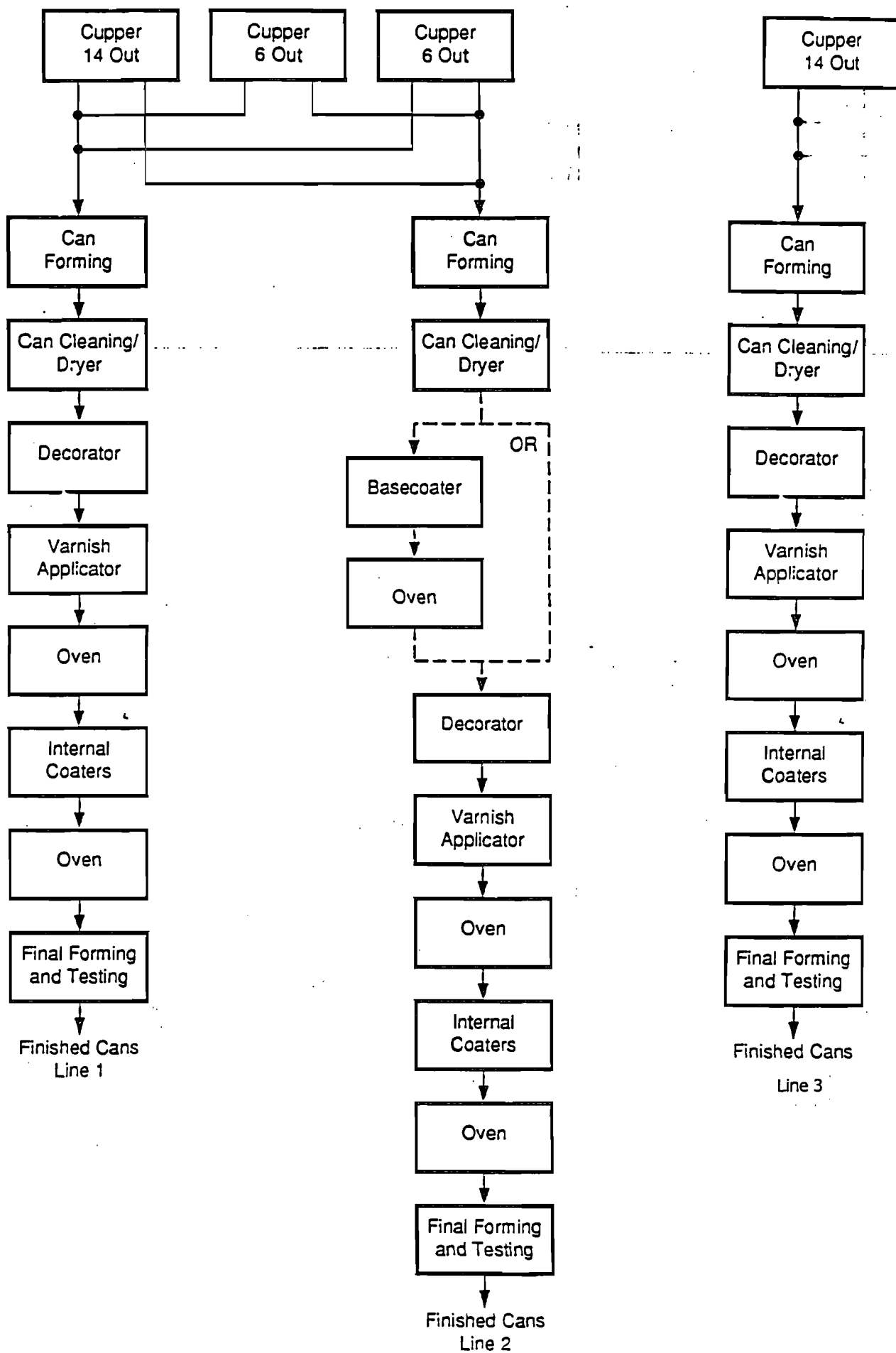


48TH STREET

WHITEWAY DRIVE



Block Flow Diagram Tampa Modified



Attachment to Control Equipment Information

Section 5. - Note 1

Vendors have been instructed to design the Regenerative Thermal Oxidizer (RTO) for a maximum input rate of 80 lbs. per hour VOC and 15,000 scfm. It is being designed to accommodate future production increases and therefore actual input rates upon start-up will be reduced from the above specifications.

Section 5. - Note 2

Emissions from the coating processes are captured by ovens and are greater than 80%. Ovens operate at negative pressure and therefore 100% of the captured emissions are transported to the RTO. The remaining emissions are fugitive and are covered in the process APENs.

Section 5. - Note 3

The RTO is designed to function at greater than 99% destruction efficiency. Outlet pollutant concentration will be reduced by the 99% value. We are requesting the permit be written to indicate a minimum 95% destruction efficiency.

Section 7

Malfunction Control and Abatement Plan

- a) Oxidation temperature of the RTO and positioning switches on each oven to ensure flow to the RTO are variables which will be monitored. The oxidation temperature of the RTO shall be maintained at temperature to insure greater than 95% destruction of VOCs. A drop in temperature will trigger an alarm condition.
- b) Oxidation temperature is continually monitored and a daily continuous chart time/temperature chart is generated. The temperature chart will be used to demonstrate compliance. The RTO processor monitors the positioning switches identified above and any malfunction will trigger an alarm condition.
- c) Inspections are planned on a quarterly basis. Inspection will include valve function, valve integrity, and cleanliness of the RTO inlet duct. Inspections will be documented and maintained on site.
- d) The maintenance plan will include periodic bake-outs to reduce condensate build-up. The bake-out frequency will be based upon condensable material build-up observed in the quarterly inspections. Additional inspection or maintenance items will be based on the vendor supplied operation and maintenance manual. **Note: Vendor not yet selected.**

Natural Gas Combustion Emissions

The facility currently has bubble permit for all natural gas combustion emissions. The previous emissions cap was limited to 300 million standard cubic feet (MMscf) of gas annually. This covers the manufacturing processes (boilers, drying ovens, etc) and space heating of the buildings.

The regenerative thermal oxidizer (RTO) has a maximum burner capacity of 4 million british thermal units (BTUs). The incinerator is designed to operate on low flame, approximately 25% of capacity (1 MM BTUs). The volatile organic compounds in the air stream will sustain the operation of the RTO on low flame. Calculations have been completed on the natural gas usage and natural gas combustion emissions of the RTO at an operating rate of 1 MM BTUs per hour. (See attached spreadsheet, "Emission Calculations for Natural Gas Consumption.") The RTO will consume approximately 8.8 MMscf of natural gas annually. Since the facility is currently permitted at 300 MMscf annually and the RTO will consume a minimal amount of natural gas, Ball is not requesting an increase in the facility wide gas usage limitation.

B. Process and system description

The LTG-TRA reactor consists of two vertical canisters. Each of them contains a ceramic bed for heat exchange.

The oxidation chambers of the reactor are situated between the two canisters above the top of the ceramic heat exchanger.

The reactor is insulated with compressed, high temperature-resistant ceramic fibre.

Temperature-resistant, tight shut-off dampers with pneumatic drives are flanged below the inlet of the chambers in the cold zone of the canisters and are interconnected by a tube system.

1.0 Start up

The TRA is started by a time clock or manually. The unit is heated up with fresh air while the process exhaust is lead directly into atmosphere. When the oxidation chamber temperature has reached its pre-set value, the raw gas dampers open and the bypass dampers in the process exhaust stacks as well as the fresh air damper close.

2.0 Oxidation process

When the system is started, the two ceramic beds are heated up by the burner. Then the unpurified exhaust air is led to the two beds via the corresponding manifolds and dampers.

The first beds serve as heat exchanger, as part of the stored heat is transferred to the unpurified exhaust air.

Depending on the temperature, there is a pre-reaction of the pollutants in the unpurified exhaust air. The complete oxidation takes place in the oxidation chamber, if necessary by heating further by means of the burners.

The hot, purified air flows through the second bed where it is cooled, while the ceramic parts are heated up. The clean air leaves the reactor via a corresponding damper.

After some time the exhaust airflow is passed cyclically by opening and closing the corresponding dampers, depending on various parameters. The area of the heat exchanger which has previously been heated is thus used for heating the unpurified exhaust air.

The remaining unpurified portion of unpurified air in the first canister is "stored" in a buffer ductwork. After the portion is completely purged from the canister it is drawn out of the buffer into the exhaust stream and purified in the oxidizer.

3.0 Production process

The exhaust from the process is routed in two separate streams (future) cold and hot. The future cold air streams will be collected and concentrated in an adsorption unit. (The concentration factor is approximately 10:1.) The concentrated air stream will be lead to the oxidiser at a temperature of approximately 140 degrees C (284 degrees F.).

A special burn out mode is designed to burn existing condensate from time to time depending on the amount and type of lacquer used. The remaining dirt can be removed by accessing the oxidizer ductwork underneath the canisters. The size enables a person to stand upright while working inside.

The exhaust air quantity of the production process is automatically adapted by a de-pressure control device and a frequency converter. Only the necessary air quantity is led to the air purification unit.

The bypass-dampers automatically open also in case of a TRA-failure. In an emergency case, the system

3. Foundation drawings are to be furnished by LTG asap.
4. A general Layout of the equipment shall be submitted asap.
5. The stack location shall be confirmed by Ball; intended location shall be in the corner of the switchgear room and the warehouse wall.
6. The specifications for motor drive combination shall be submitted for evaluation of supply power requirements.

1.0 TRA

Every unit contains all the components required to operate the system safely and automatically.

- 2 canisters insulated with compressed and high temperature-resistant ceramic fibres, inspection opening and ceramic bed. The canisters are surface treated according to Ball specifications.

The ceramic fibre insulation is attached to the interior surface with wire studs, welded to the outer shell and push-on-washers.

The insulation is designed for max. Temp. of 160F above ambient of all accessible parts

- 1 platform with handrails for the access to the burner incl. support construction.
- 1 reaction chamber
- 1 burner system for natural gas with fully pre-assembled gas train, installed and inspected to IRI regulations. The burner system also contains the ignition and a flame detection system via flame rod
- 2 airtight, heat resistant unpurified exhaust air shut-off dampers heated by purified air, with hydraulic actuators, limit switches
- 2 airtight, heat resistant purified exhaust air shut-off dampers heated by purified air, with hydraulic actuators, limit switches
- 3 buffer dampers with actuator, limit switches
- 2 boxes beneath the canisters, containing the dampers, inlets for raw gas ducts, outlets for pure gas ducts, incl. compensation, outside insulation with rock wool, cladding galvanised steel.

2.0 Air conduct system

- 1 high-pressure fan with TEFC AC motor, ground fault indication, monitoring stator and bearing temperatures, precision balanced according to Ball specification, vibration damper, cleaning opening, suction and pressure side with mounted compensators, direct drive, base frame
- 1 burner fan, complete with base frame, motor, vibration damper, suction and pressure side mounted compensator for the burner
- 1 connection duct, incl. insulation between TRA and main fan
- 1 exhaust air damper with pneumatic actuator and limit switches
- 1 fresh air damper with actuator and limit switches
- 1 mechanical low pressure damper for security

- 1 combustion air piping
- 1 connection duct between TRA and stack (max. 6 ft)

3.0 Electrical controls

The control cabinet is located within five (15 ft) meters of the TRA system.

- 1 electric NEMA 12 control cabinet with all the necessary control and regulating devices, fully wired, protection IP54, located in the building near by the TRA-system
- 1 frequency converter including memory card for the pure gas fan
- 1 service hours counter
- 1 Honeywell DR Series temperature recorder
- 1 micro ammeter
- 1 programmable AB PLC520-System
- 1 MMI Pannelview 900 touch screen, displaying
 - System flow diagram
 - Chamber temperatures
 - Controller settings (variable via passcode)
 - Inlet and outlet temperatures alarm Controller settings (variable via passcode)
 - Chamber valve positions
 - T-damper positions
 - Alarm status
 - Recirculating valve positions
 - Burn out information
 - Purge timer status
 - Three different temperature levels per chamber
 - Main fan status
- Troubleshooting and diagnostic screens
- 1 remote MMI touchscreen (to be installed and wired by customer)

4.0 Measuring, control and regulating field devices:

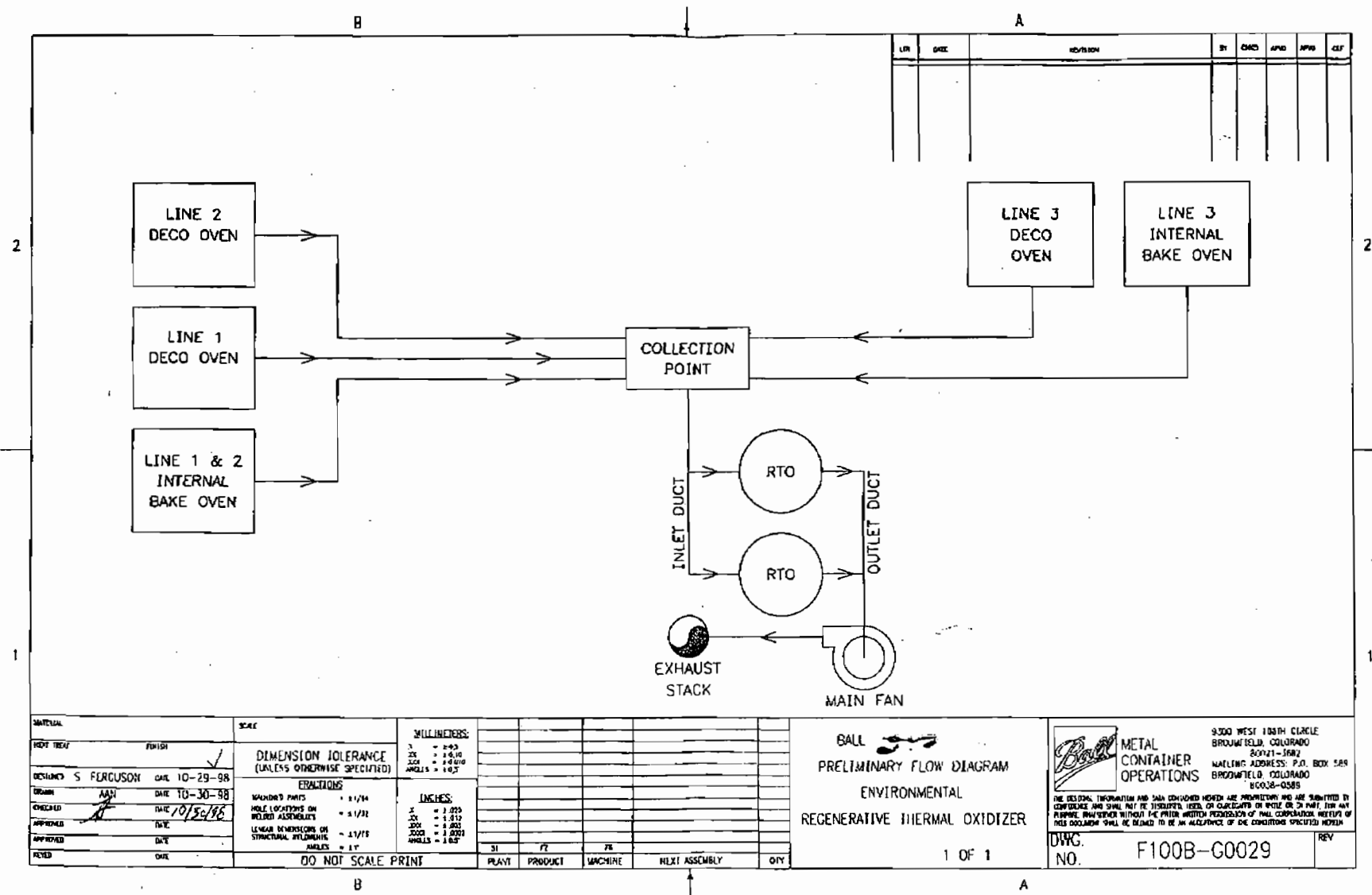
- 1 exhaust air pressure control system with 4 - 20 mA output and digital display
- 1 air flow switch main fan
- 1 pressure differential control for the TRA
- 1 pressure regulator for compressed air
- 1 compressed air pressure switch
- 1 combustion air pressure switch
- 1 pressure regulator and pressure controller for natural gas

- 1 low gas pressure switch
 - 1 high gas pressure switch
 - 1 gas leakage control device
 - 1 temperature regulation system for reaction temperature
 - 2 safety monitors to protect against over-temperature of the combustion chamber
 - 2 safety monitors to protect against under-temperature of the combustion chamber
 - 2 safety monitors against over-temperature below ceramic heat exchangers
 - 1 thermocouples for temperature indication
- all necessary outside 227 V lightning

5.0

Documentation

- flow sheet of the TRA
- layout plan
- installation plan incl. TRA-system and all connection points between production and air purification system
- foundation drawing
- plan for compressed air connection
- control panel documentation with wiring diagram
- documentation books for maintenance and operation
- lists for spare parts
- five sets of the above described items are provided



MATERIAL	SCALE
REV. 1 NEXT TRAC	FINISH
DESIGNED BY S. FERGUSON	DATE 10-29-98
DRAWN BY AAN	DATE 10-30-98
CHECKED BY [Signature]	DATE 10/30/98
APPROVED BY	DATE
REVISED	DATE

DIMENSION TOLERANCE (UNLESS OTHERWISE SPECIFIED)	FRAXCTIONS
MACHINED PARTS = ± 1/32	HOLE LOCATIONS ON MILLED SURFACES = ± 1/32
LENGTH DIMENSIONS ON STRUCTURAL MEMBERS = ± 1/16	ANGLES = ± 1°

MILLIMETERS:	
1 = 0+0	
25 = ± 0.10	
30 = ± 0.10	
ANGLES = ± 0.5°	
INCHES:	
1 = ± 0.005	
25 = ± 0.12	
30 = ± 0.12	
300 = ± 0.025	
ANGLES = ± 0.5°	
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

BALL
 PRELIMINARY FLOW DIAGRAM
 ENVIRONMENTAL
 REGENERATIVE THERMAL OXIDIZER
 1 OF 1

BALL METAL CONTAINER OPERATIONS

9300 WEST 100TH AVENUE
 BROOMFIELD, COLORADO 80021-5682
 MAILING ADDRESS: P.O. BOX 589
 BROOMFIELD, COLORADO 80028-0589

THE DESIGN, INFORMATION AND DATA CONTAINED HEREIN ARE PROPRIETARY AND ARE TRANSMITTED IN CONFIDENCE AND SHALL REMAIN THE SOLE PROPERTY OF BALL CONTAINER OPERATIONS. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF BALL CONTAINER OPERATIONS.

DWG. NO. **F100B-G0029** REV

NOTE

The Model 770 tube house is used for illustrative purposes throughout this manual. Part numbers and quantity differences for all models are shown in the parts list.

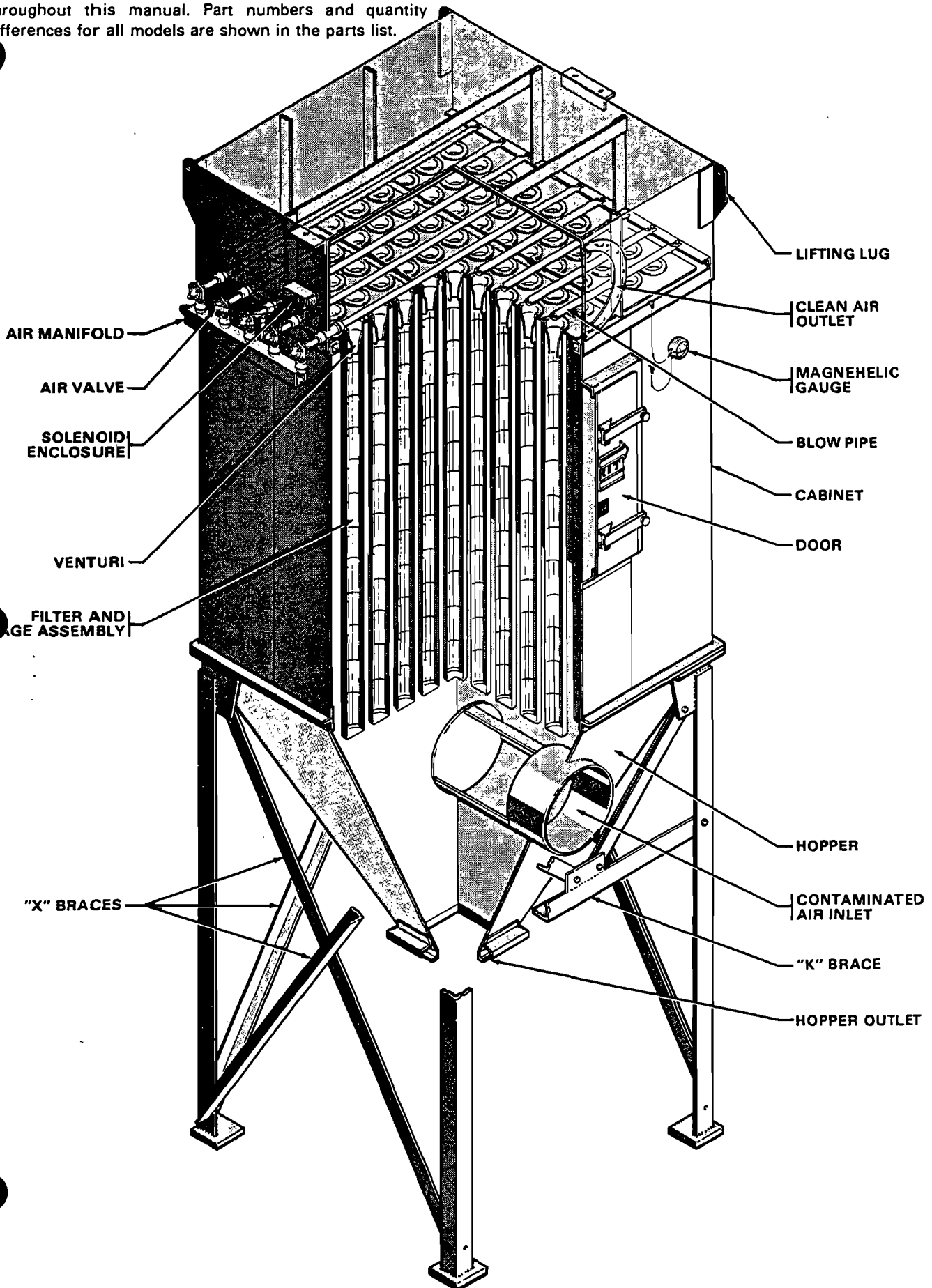


Fig. 1

FACTS AND FIGURES

TORIT JET Tube Houses are used for collection of airborne dust and particulate. Whether in answer to the problems of air pollution, or as part of a manufacturing operation, Torit Jets provide continuous, no-shut-down operation.

Filter tubes are 4.5 inch diameter by 96 inches long on 7 inch centers. Standard filter material is Polyester Felt with a maximum operating temperature of 275°F and good resistance to flex and abrasion. Polyester Felt is not recommended where mineral acids or oxidizing agents are present. See ACCESSORIES page 19 for optional filter materials.

OPERATIONAL EXPLANATION

The TORIT JET allows uninterrupted operation through the use of an automatic tube cleaning system. This system divides the filter tubes into separate rows which are cleaned alternately as dust builds up on them.

Contaminated air enters the tube house through the air inlet on the hopper, and then is directed through the filter tubes. As the dust laden air travels through the tubes, the dust is deposited on the outside of the tubes, while clean air is exhausted through the top of the filter tubes and out of the tube house through the blower outlet. See Fig. 2.

Filter cleaning is accomplished in the following manner:

The Solid State Timer activates a solenoid on the air valve

of the row of filters to be cleaned, allowing a jet pulse of air to travel from the air manifold into the filter tube venturis. From the venturi, the jet pulse plus induced air enters the filter tube, cleaning the tube through a combination of air flow out through the tube, and the effect of a sudden expansion of the filter tube material. Each cleaning pulse requires approximately 1/10 of a second and the cycle is repeated every 1 to 2 minutes, depending on the type and volume of dust being collected.

PRE-INSTALLATION

The TORIT JET Tube House is usually mounted on a reinforced concrete foundation. However, roof mounting is also possible. When calculating for a foundation or roof mounting, the weight of the tube house, the weight of the dust to be collected (determined by hopper capacity) and expected local wind conditions, must be considered. See SPECIFICATION DRAWING for tube house weight and hopper capacity.

Location must be clear of all obstructions such as utility lines or roof overhang (see SPECIFICATION DRAWING), as a crane must be used to move tube house into position. To avoid unnecessary delays, install foundation in the proper location, with particular attention given to anchor bolt location (see SPECIFICATION DRAWING for anchor bolt location). Anchor bolts for all models must extend 1-3/4" above foundation. Tube house should be located with consideration for maintenance, inspection, shortest run for location of duct work, electrical and air connections and access for emptying the hopper.

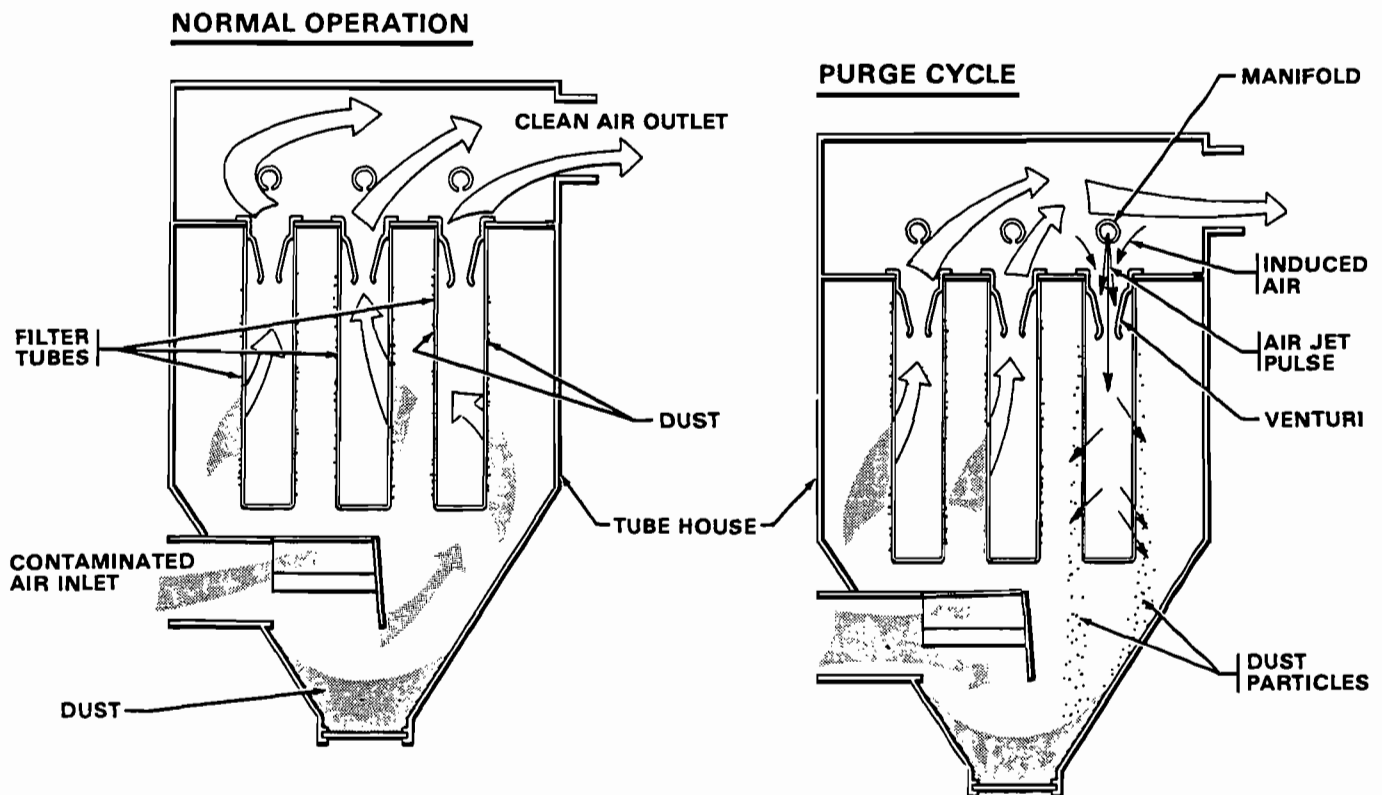
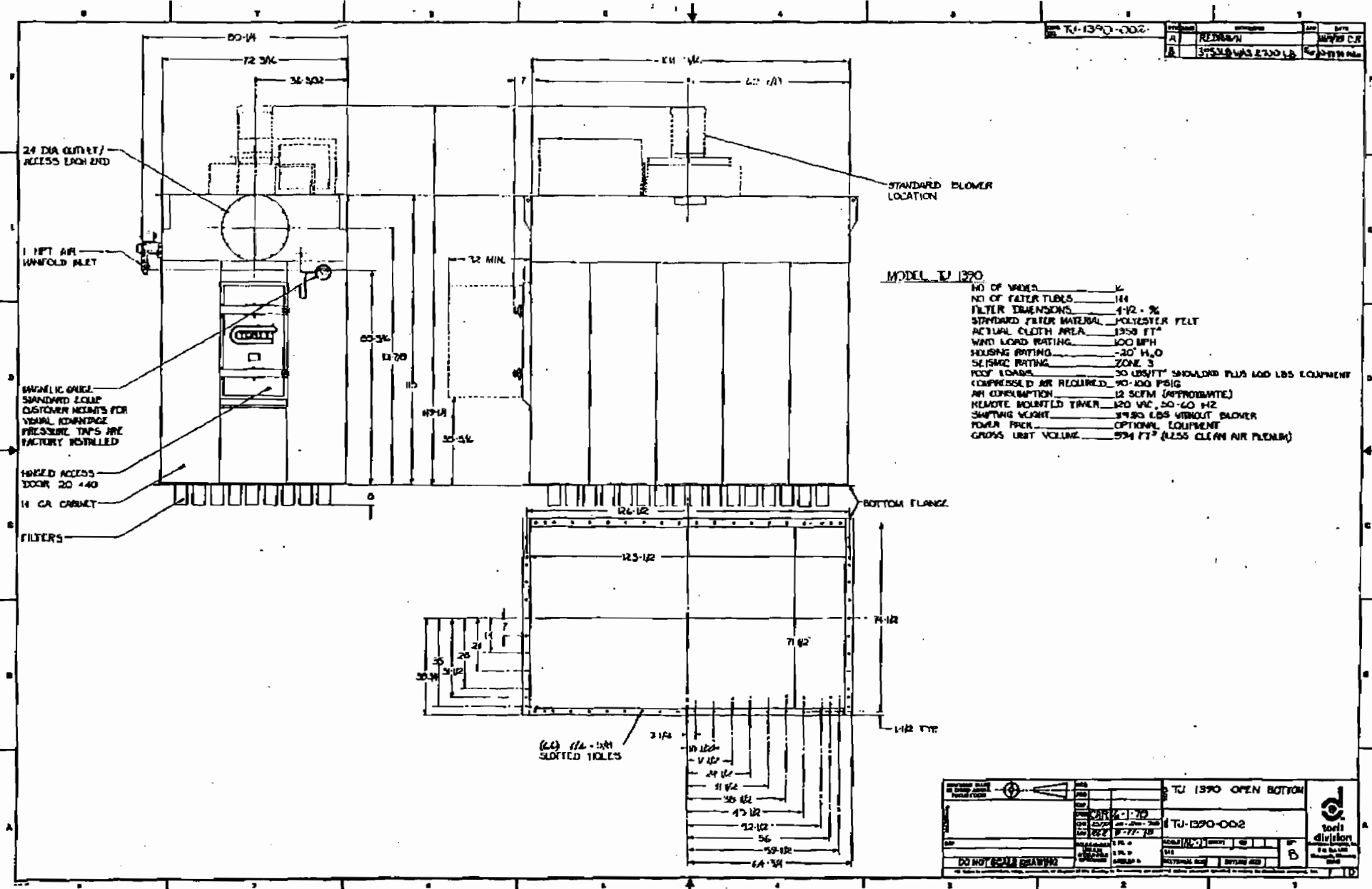


Fig. 2

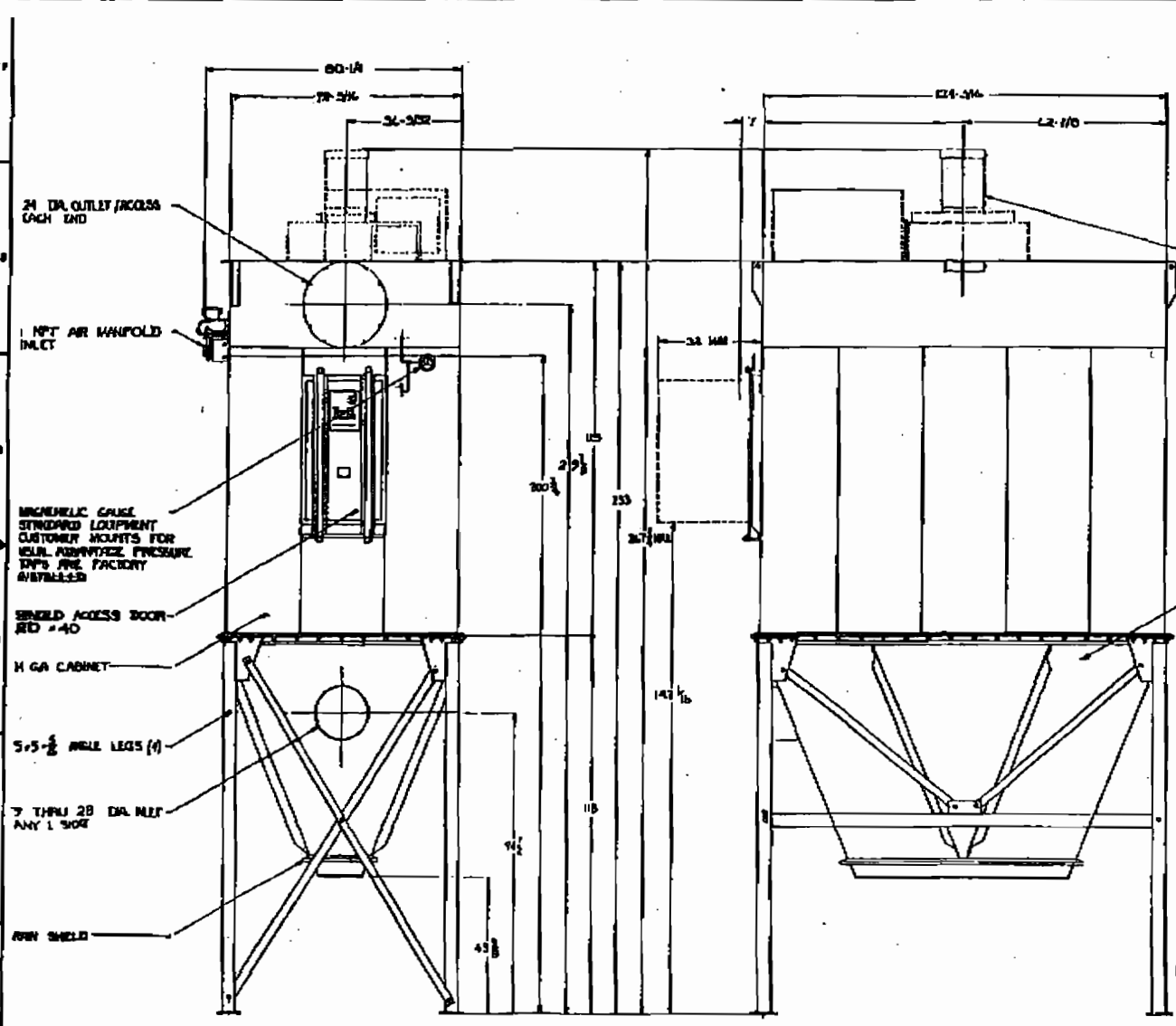


MODEL TU 1390

- NO OF VIEWS _____ 4
- NO OF FILTER TUBES _____ 144
- FILTER DIMENSIONS _____ 412 x 96
- STANDARD FILTER MATERIAL _____ POLYESTER FELT
- ACTUAL CLOTH AREA _____ 1353 FT²
- WIND LOAD RATING _____ 100 MPH
- HOUSING RATING _____ -20' H₂O
- SEISMIC RATING _____ ZONE 3
- FOOT LOADS _____ 30 LB/SFT² SHOULDERS PLUS 600 LBS EQUIPMENT
- COMPRESSED AIR REQUIRED _____ 90-100 PSIG
- AIR CONSUMPTION _____ 12 SCFM (APPROXIMATE)
- REMOTE MOUNTED TIMER _____ 120 VAC, 50-60 HZ
- SHIPPING WEIGHT _____ 1980 LBS WITHOUT BLOWER
- POWER PAK _____ OPTIONAL EQUIPMENT
- GROSS UNIT VOLUME _____ 594 FT³ (LESS CLEAN AIR FLEMB)

TU-1390 OPEN BOTTOM		
TU-1390-002		
REV. A 3/25/88 1/8"	1/8"	1/8"
DO NOT SCALE DRAWING		

TU-1390-001		REV	DATE
A	BY: MURPHY	10/20/97	10/20/97
B	REVISED PER STRUCTURE		07-15-97
C	REVISED PER STRUCTURE		03-08



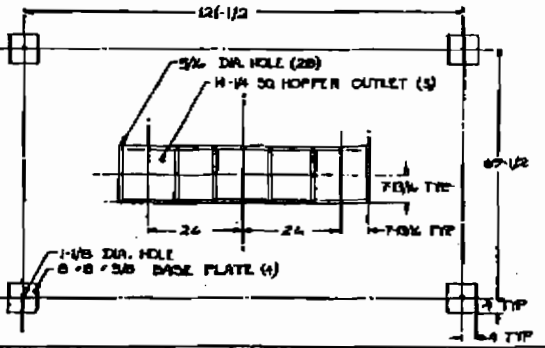
STANDARD DOOR LOCATION

MODEL TU 1390

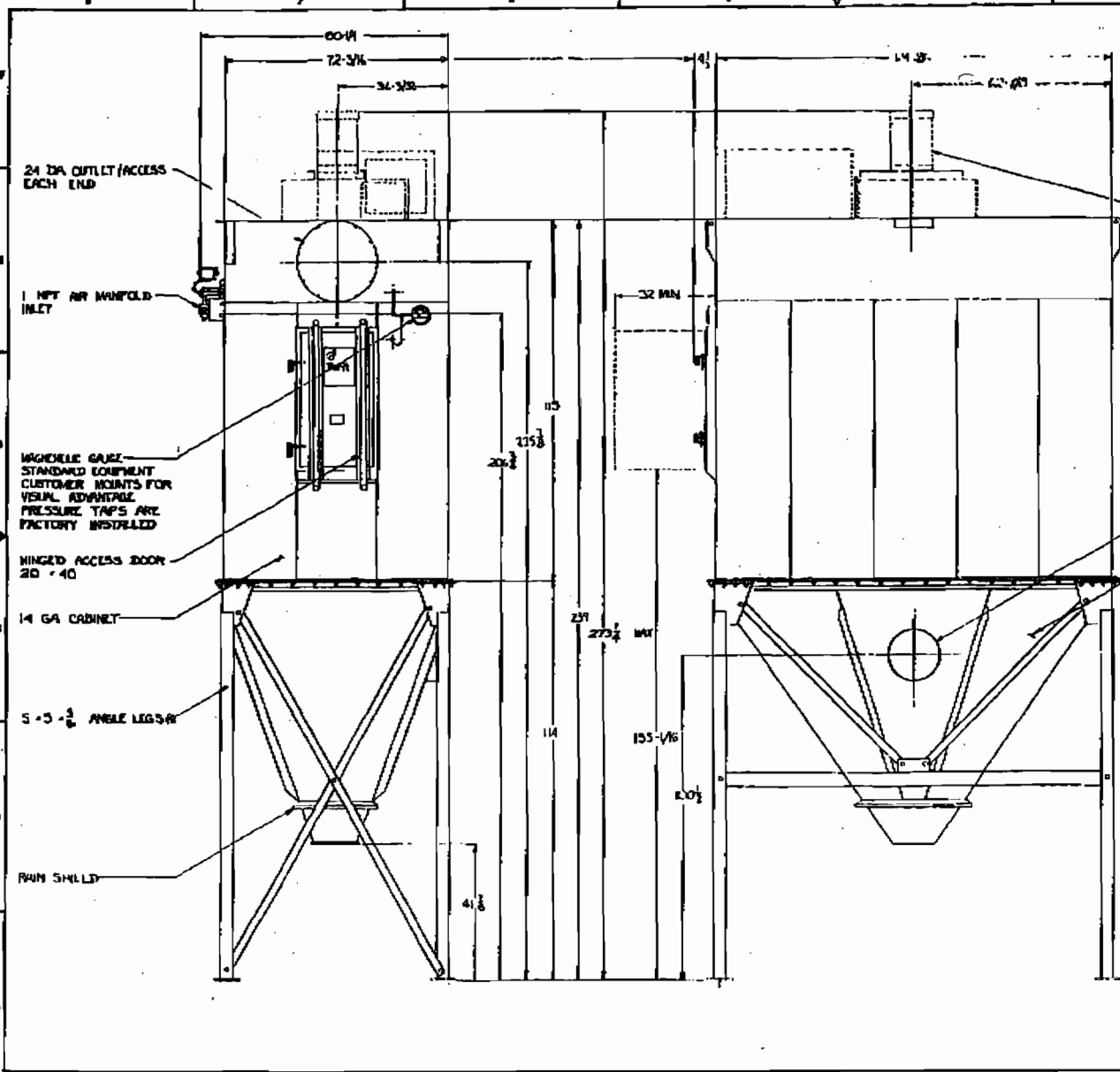
- NO OF VALVES _____ 4
- NO OF FILTER TUBES _____ 4
- FILTER DIMENSIONS _____ 4 1/2 x 9 1/2
- STANDARD FILTER MATERIAL POLYESTER FIBER
- ACTUAL CLOTH AREA _____ 158 FT²
- WIND LOAD RATING _____ 100 MPH
- HOLDING RATING _____ 20" H₂O
- SEISMIC RATING _____ ZONE 3
- ROOF LOADS _____ 30 (25 FT² STANDARD SUBTRACTED FROM COMPRESSED AIR HOLDING) 90-100 PSF
- NET CAPACITY _____ 12 SCFM (STANDARD)
- RELEASER MOUNTED THRU _____ 3/8" DIA. 80-60 HZ
- DRIVER WEIGHT _____ 550 LBS WITH REFRIGERANT/DRIVER
- POWER PACK _____ OPTIONAL EQUIPMENT
- GROSS UNIT VOLUME _____ 64 FT³ (LESS CLEARANCE INCLUDING HOPPER)

OPTIONAL ATTACHMENTS AVAILABLE: SCREW DRIVEN FOR ROTARY AIRLOCK VALVES, SLIDE GATES & 9-5 GAL. DRUM COVERS.

H GA 60" HOPPER



TU-1390-001		TU-1390-001 WITH 60" HOPPER	
REV	DATE	REV	DATE
A	10/20/97		
B	07-15-97		
C	03-08		

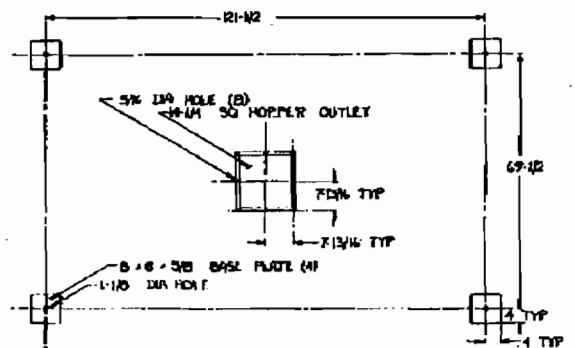


STANDARD BLOWER LOCATION

MODEL TO 1570

- NO OF VIEWS _____ 1
- NO OF FILTER TUBES _____ 14
- FILTER DIMENSIONS _____ 1-1/2 x 96
- STANDARD FILTER MATERIAL POLYESTER FIBER
- ACTUAL CLOTH AREA _____ 1350 FT²
- WIND LOAD RATING _____ 100 MPH
- HOUSING RATING _____ 20 M_hO
- SEISMIC RATING _____ ZOM 3
- ROOF LOAD _____ 30 LBS/FT² SNOWLOAD PLUS 600 LBS LOAD
- COMPRESSED AIR REQUIRED 50-60 PSIG
- AIR CONSUMPTION _____ 12 SCFM (APPROXIMATE)
- REMOTE MOUNTED TIMER _____ 120 VAC, 50-60 HZ
- SHIPPING WEIGHT _____ 5450 LBS WITH HOPPER/WITHOUT BLOWER
- POWER PACK _____ OPTIONAL EQUIPMENT
- GROSS UNIT VOLUME _____ 150 FT³ (LESS CLEAN AIR FLEET, WHEELS, HOPPER)

9 THRU 28 DIA. INLET ANY 1 SIDE
HGA 55" x 60" HOPPER



		TO 1570 155 WITH 33" x 60" HOPPER		
1:10 DIA HOPE		1:10 DIA HOPE		
DO NOT SCALE DRAWING		1:10 DIA HOPE		D

REV	DESCRIPTION	DATE	BY
A	REDRAWN	10-17-83	JM
B	CHANGED TO 1.125 DIA	10-17-83	JM
C	CHANGED TO 1.125 DIA	10-17-83	JM
D	REVISED LEG STRUCTURE 5-3/8 WAS 4-1/2, 41 WAS 206 WAS 208, 125 WAS 120, 114 WAS 120, 231 WAS 233, 231 WAS 231, 100 WAS 219, 100 WAS 87 110 WAS 110 THROUGH 150 WAS 150	10-17-83	JM