KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES
4014 NW 13th STREET
GAINESVILLE, FL 32609-1923
352/377-5822 • FAX/377-7158

KA 521-06-23

October 11, 2006

RECEIVED
OCT 12 2006
BUREAU OF AIR REGULATION

Ms. Trina Vielhauer
Florida Department of
Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Subject: Application for a Construction Permit
For Portable Transloader Units
CEMEX Construction Materials L.P.

Dear Ms. Vielhauer:

Enclosed are four (4) copies of a construction permit application for four mobile transloader units, which transfer material directly from a railcar to a truck, to be operated statewide by CEMEX.

A check in the amount of $250 (application fee) is attached.

If you have any questions, please call me.

Very truly yours,

KOOGLER & ASSOCIATES

Pradeep Raval

Par.

C: Jose De La Garza, CEMEX
Jeff Koerner, FDEP

Department of Environmental Protection

Division of Air Resources Management

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APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: **CEMEX Construction Material L.P.**	
2. Site Name: **CEMEX**	
3. Facility Identification Number: **State-wide** [ ] Unknown	
4. Facility Location: **State-wide** Street Address or Other Locator: City: County: Zip Code:	
5. Relocatable Facility? [X] Yes [ ] No	6. Existing Permitted Facility? [ ] Yes [X] No

Application Contact

1. Name and Title of Application Contact: **Pradeep Raval**
2. Application Contact Mailing Address: Organization/Firm: **Koogler and Associates, Inc.** Street Address: **4014 NW 13th Street** City: **Gainesville** State: **Florida** Zip Code: **32609-1923**
3. Application Contact Telephone Numbers: Telephone: **(352)- 377-5822** Fax: **(352)- 377-7158**

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	10-25-06
2. Permit Number:	1775369-001-AC

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

[ ] Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.

[ ] Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number:_____

[ ] Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number:_____

Operation permit number to be revised:_____

[ ] Initial non-Title V 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):

_____

[ ] Non-Title V 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 number to be revised:_____

Reason for revision:_____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

[**X**] Air construction permit to construct or modify one or more emissions units.

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

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

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:
   Jose De La Garza, Director Logistics Operations Florida
2. Owner/Authorized Representative Mailing Address:
   Organization/Firm: **CEMEX**
   Street Address: **3820 Northdale Blvd., Suite 100B**
   City: **Tampa** State: **Florida** Zip Code: **33624**
3. Owner/Authorized Representative Telephone Numbers:
   Telephone: **(813) 269 - 1085** Fax: **(813) 269 - 1088**
4. Owner/Authorized Representative Statement:

   I, the undersigned, am the owner or authorized representative of the facility addressed in this application. 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.*

   Signature _____ Date 10-10-2006

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: **John B. Koogler PhD, PE**
   Registration Number: **12925**
2. Professional Engineer Mailing Address:
   Organization/Firm: **Koogler and Associates, Inc.**
   Street Address: **4014 NW 13th Street**
   City: **Gainesville** State: **Florida** Zip Code: **32609-1923**
3. Professional Engineer Telephone Numbers:
   Telephone: **(352)- 377-5822** Fax: **(352)- 377-7158**

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 an air construction permit for one or more proposed new or modified emissions units (check here [X], 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.

Signature

10/9/2006
Date

(seal)

* Attach any exception to certification statement.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Transloaders with Dust Collector	AC1F	$250
002	Transloaders with Dust Collector	AC1F	0
003	Transloaders with Dust Collector	AC1F	0
004	Transloaders with Dust Collector	AC1F	0

Application Processing Fee

Check one: [X] Attached - Amount: $250 [ ] Not Applicable

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This application is for four (4) proposed transloaders (mobile or portable 36" chain conveyor with an associated dust collector) used to transfer dry material from railcar directly in to a tanker or truck.

Various materials will be transferred from railcars into trucks, as needed, at different locations in Florida. The following is a list of potential non-hazardous materials that could be handled: sand, gravel, cement, silicates, gypsum, flyash, lime, river rock, etc.

A transloader is a diesel powered mobile unit that has an enclosed chain conveyor with an integral dust collector. The railcar to conveyor transfer point is sealed with a pneumatic rubber boot while the conveyor to truck transfer point has a telescoping inner chute through which the material discharges and an outer shell that seals against the truck. The entire transfer system is maintained under negative pressure by exhausting the air through an integral dust collector.

2. Projected or Actual Date of Commencement of Construction: **12/1/06**

3. Projected Date of Completion of Construction: **12/1/07**

Application Comment

It is requested that a state-wide permit be issued to allow the flexibility to use the four units at various sites, as needed.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone:	East (km):	North (km):	
2. Facility Latitude/Longitude: Latitude (DD/MM/SS):		Longitude (DD/MM/SS):	
3. Governmental Facility Code: **0**	4. Facility Status Code: **A**	5. Facility Major Group SIC Code: **50**	6. Facility SIC(s): **5032**
7. Facility Comment (limit to 500 characters): **state-wide**			

Facility Contact

1. Name and Title of Facility Contact: **Denise Corrales**
2. Facility Contact Mailing Address: Organization/Firm: **CEMEX Construction Material L.P.** Street Address: **3820 Northdale Blvd., Suite 100B** City: **Tampa** State: **Florida** Zip Code: **33624**
3. Facility Contact Telephone Numbers: Telephone: **(813) 269 - 1035** Fax: **(813) 269 - 1030**

Facility Regulatory Classifications

Check all that apply:

1. [ ] Small Business Stationary Source?	[X] Unknown
2. [ ] Synthetic Non-Title V Source?	
3. [ ] Synthetic Minor Source of Pollutants Other than HAPs?	
4. [ ] Synthetic Minor Source of HAPs?	
5. [ ] One or More Emissions Units Subject to NSPS?	
6. [ ] One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters): **exempt/minor unit**	

Rule Applicability Analysis

FS Chapter 403
FAC Rules 62-4, 62-204, 62-210, 62-296, 62-297.

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap lb/hour	tons/year	4. Basis for Emissions Cap	5. Pollutant Comment
PM/PM10	**B**	**NA**	**NA**	**NA**	**NA**

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
2. Facility Plot Plan: [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
3. Process Flow Diagram(s): [**X**] Attached, Document ID: **Att. 1** [ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [**X**] Attached, Document ID: **Att. 2** [ ] Not Applicable [ ] Waiver Requested
5. Supplemental Information for Construction Permit Application: [**X**] Attached, Document ID: **Att. 3** [ ] Not Applicable
6. Supplemental Requirements Comment: **Information on the transloader unit.**

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G 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.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)

[X] 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.

2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):
4 Transloaders (each with same design and capacity)

3. Emissions Unit Identification Number:
ID:
[X] No ID
[ ] ID Unknown

4. Emissions Unit Status Code:	5. Initial Startup Date:	6. Emissions Unit Major Group SIC Code:
C	**12/1/06**	**50**

7. Emissions Unit Comment: (Limit to 500 Characters)

Attachment 3 includes information on the transloaders.

Emissions Unit Information Section 1 of 1

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):

   Dust collector

2. Control Device or Method Code(s): **018**

Emissions Unit Details NA

1. Package Unit: **Transloader with dust collector**
   Manufacturer: **RBT**
   Model Number: **3600 Series**
2. Generator Nameplate Rating: MW
3. Incinerator Information:
   Dwell Temperature: °F
   Dwell Time: seconds
   Incinerator Afterburner Temperature: °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:
2. Maximum Incineration Rate: lb/hr
3. Maximum Process or Throughput Rate: **100 TPH and 500,000 TPY**
4. Maximum Production Rate:
5. Requested Maximum Operating Schedule:
   hours/day days/week
   weeks/year **8,760** hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):
   Information on the RBT Transloader is provided in Attachment 3.

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram	2. Emission Point Type Code: **1**	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **Donaldson Unimasters Dust Collector – Model C20H**		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **None**		
5. Discharge Type Code: **H**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: **Ambient** °F	9. Actual Volumetric Flow Rate: **1500** acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: **NA** feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters):		

Emissions Unit Information Section 1 of 1

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Bulk material loading**		
2. Source Classification Code (SCC): **30510599**	3. SCC Units: **Tons processed**	
4. Maximum Hourly Rate: **100TPH**	5. Maximum Annual Rate: **500,000TPY**	6. Estimated Annual Activity Factor: **NA**
7. Maximum % Sulfur: **NA**	8. Maximum % Ash: **NA**	9. Million Btu per SCC Unit: **NA**
10. Segment Comment (limit to 200 characters):		

Segment Description and Rate: Segment ____ of ____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

Emissions Unit Information Section __1__ **of** __1__

Pollutant Detail Information Page __1__ **of** __1__

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM/PM10**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **018**	4. Secondary Control Device Code: **NA**	5. Total Percent Efficiency of Control: **99+**
6. Potential Emissions: **0.3** lb/hour **1.1** tons/year		7. Synthetically Limited? [ ]
8. Emission Factor: **0.02 gr/cf** Reference: **typical design**		9. Emissions Method Code: **5**
10. Calculation of Emissions (limit to 600 characters): **PM/PM10 = 1500 cfm x 60 min/hr x 0.01 gr/cf x lb/7000 gr = 0.3 lb/hr** **X 8760 hr/yr x ton/2000 lb = 1.1 tpy** **(X 4 units = 4.4 tpy)**		
11. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions __1__ of __1__

1. Basis for Allowable Emissions Code: **Other**	2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **0.02 gr/cf**	4. Equivalent Allowable Emissions: **0.3** lb/hour **1.1** tons/year
5. Method of Compliance (limit to 60 characters): **Annual Method 9 – 30 minutes**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

E. VISIBLE EMISSIONS INFORMATION
(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: **VE05**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **5 %** Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Annual Method 9 - 30 minutes**	
5. Visible Emissions Comment (limit to 200 characters):	

F. CONTINUOUS MONITOR INFORMATION - NA
(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] 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):	

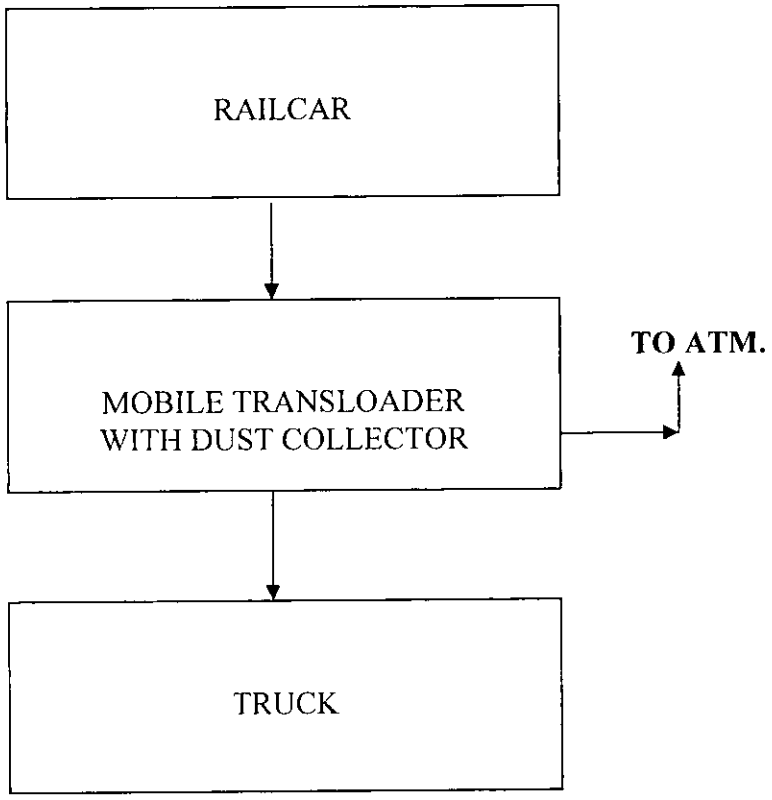
G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram [**X**] Attached, Document ID: **Att. 1** [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [**X**] Attached, Document ID: **see Att. 3** [ ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [**X**] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID:_____ [**X**] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [**X**] Not Applicable
10. Supplemental Requirements Comment:

ATTACHMENT 1

PROCESS FLOW DIAGRAM



ATTACHMENT 2

PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER

Reasonable precautions to minimize emissions of unconfined particulate matter may include, as necessary:

- **Paving roadways.**
- **Sweeping or wetting roadways.**
- **Landscaping or planting of vegetation.**
- **Use of enclosures and windbreaks, where practical.**

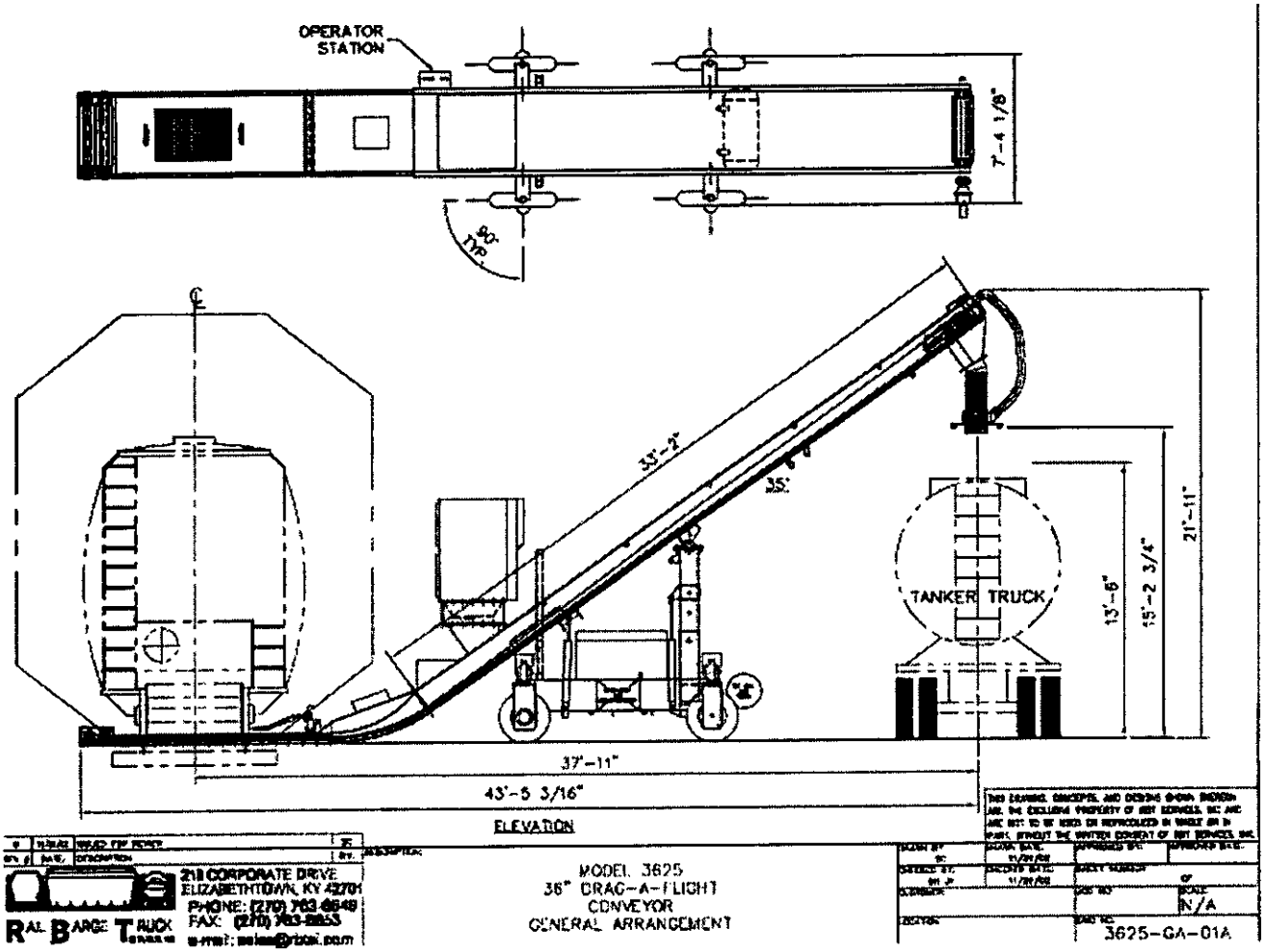
ATTACHMENT 3

TRANSLOADER DUST COLLECTOR INFORMATION

Transloader Rail Barge Truck (RBT) 3600 Series

Donaldson Unimasters Dust Collector – Model C20H

Maximum flow rate	**1500 cfm**
Type (pulse jet or reverse air)	**Pulse jet**
Bag pressure drop	**2-4 in wg**
Air to cloth ratio (actual)	**5.6:1**
Bag material	**Polyester**
Bag type	**Cartridge (215 sq.ft.)**
Number of bags	**4**
Gas temperature	**Ambient**
Bag cleaning conditions	**70-90 psig**
Bag cleaning cycle	**Timed, every 10 seconds**
Particulate concentration inlet	**2-4 gr/dscf**
Particulate concentration outlet	**0.02 gr/dscf**



RAIL BARGE TRUCK
218 CORPORATE DRIVE
ELIZABETHTOWN, KY 42701
PHONE: (270) 763-8649
FAX: (270) 763-8653
e-mail: sales@rbtek.com

MODEL 3625
36" DRAG-A-FLIGHT
CONVEYOR
GENERAL ARRANGEMENT

3625-GA-01A