

EXPIRED: 08/01/09

F&A RECEIVED #507126 MAR 22, 2010

CONCRETE BATCHING PLANT  
AIR GENERAL PERMIT REGISTRATION FORM

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

**Instructions:** To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

0250375-004

Registration Type

Check one:

**INITIAL REGISTRATION** - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

**RE-REGISTRATION** (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): \_\_\_\_\_
- No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

SOUTH PLANT

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 23450 SW 132 AVE.

City: MIAMI

County: MIAMI-DADE

Zip Code: 33032

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility)

X

**Owner/Authorized Representative**

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: **LUIS GARCIA, OWNER**

Owner/Authorized Representative Mailing Address

Organization/Firm:

Street Address: **2101 NW 110 AVE.**

City: **MIAMI**

County: **MIAMI-DADE**

Zip Code: **33032**

Owner/Authorized Representative Telephone Numbers

Telephone: **305-392-5416**

Fax: **305-594-2827**

Cell phone (optional):

**Facility Contact (If different from Owner/Authorized Representative)**

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title:

Facility Contact Mailing Address

Organization/Firm:

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone:

Fax:

Cell phone (optional):

**Owner/Authorized Representative Statement**

This statement must be signed and dated by the person named above as owner or authorized representative

*I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form 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 will promptly notify the Department of any changes to the information contained in this registration form.*

Signature

Date

**3/19/2010**

**Type of Facility**

Check one:

Stationary Facility

Relocatable Facility

**Type(s) of Reasonable Precautions Used to Prevent Unconfined Emissions**

Check all precautions to be used for the management of roads, parking areas, stock piles and yards:

Pave Roads

Pave Parking Areas

Pave Yards

Maintain Roads/Parking/Yards

Use Water Application

Use Dust Suppressant

Remove Particulate Matter

Reduce Stock Pile Height

Install Wind Breaks

Check all precautions to be used for the management of drop points to trucks:

Spray Bar

Chute

Enclosure

Partial enclosure

**Description of Reasonable Precautions**

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

SEE ATTACHMENT.

BUILDING RELATIONSHIPS FOR OVER 25 YEARS



*Silos &  
BAGHOUSES NOT  
IDENTIFIED!  
I.E. -  
- MAKE, #  
- MODEL #  
- SIZES*

The following are the precautions we observed at our Facilities:

- 1 All Silos containing cement have various Dusty-Ductless Baghouses that control particulate emissions when discharging cement.
- 2 Every 15 days we perform a check-up of the silos, hopper, conveyors, dust collectors' seals to be sure that we are controlling any visible emission that may occur.
- 3 The point of discharging cement from the silo into the mixer is enclosed on 3 sides which function as a wind breaker to prevent any emission to be blown by the wind. The silo discharge cement from a chute that goes directly inside the mixer's hopper. A dust collector sucks up all remaining dust that may exists.
- 4 Some of our plants have a water sprinkler system inside the drop point to minimize the dust emission.
- 5 The entire area of the yard, including roads and parking lot are a concrete slab that is wet every morning to control emissions.
- 6 All aggregates are confined inside of a concrete bins that is water sprinkled continuously, so the materials carried by the conveyors do not produce any dust.
- 7 Every year we hired an Environmental Service Company to perform a Visible Emission Test of all our Facilities according with the rules and regulations of the DEP.
- 8 Our mixer and other trucks limit their speed inside the yard to minimize dust blowing.

Note: Please find enclosed a copy of the plant's survey.



2101 NW 110th Avenue, Miami, Florida 33172

Dade: 305.669.0611 • Broward: 954.434.1244 • Palm Beach: 561.333.9700 • Treasure Coast: 772.595.1020

Administrative Office: 305.392.5416 • Fax: 305.599.2827 • [www.adonelconcrete.com](http://www.adonelconcrete.com)

**Description of Facility**

Below, or as an attachment to this form, provide a description of the concrete batching plant operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

SEE ATTACHMENT.

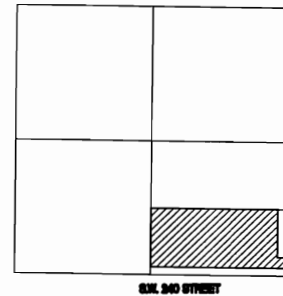
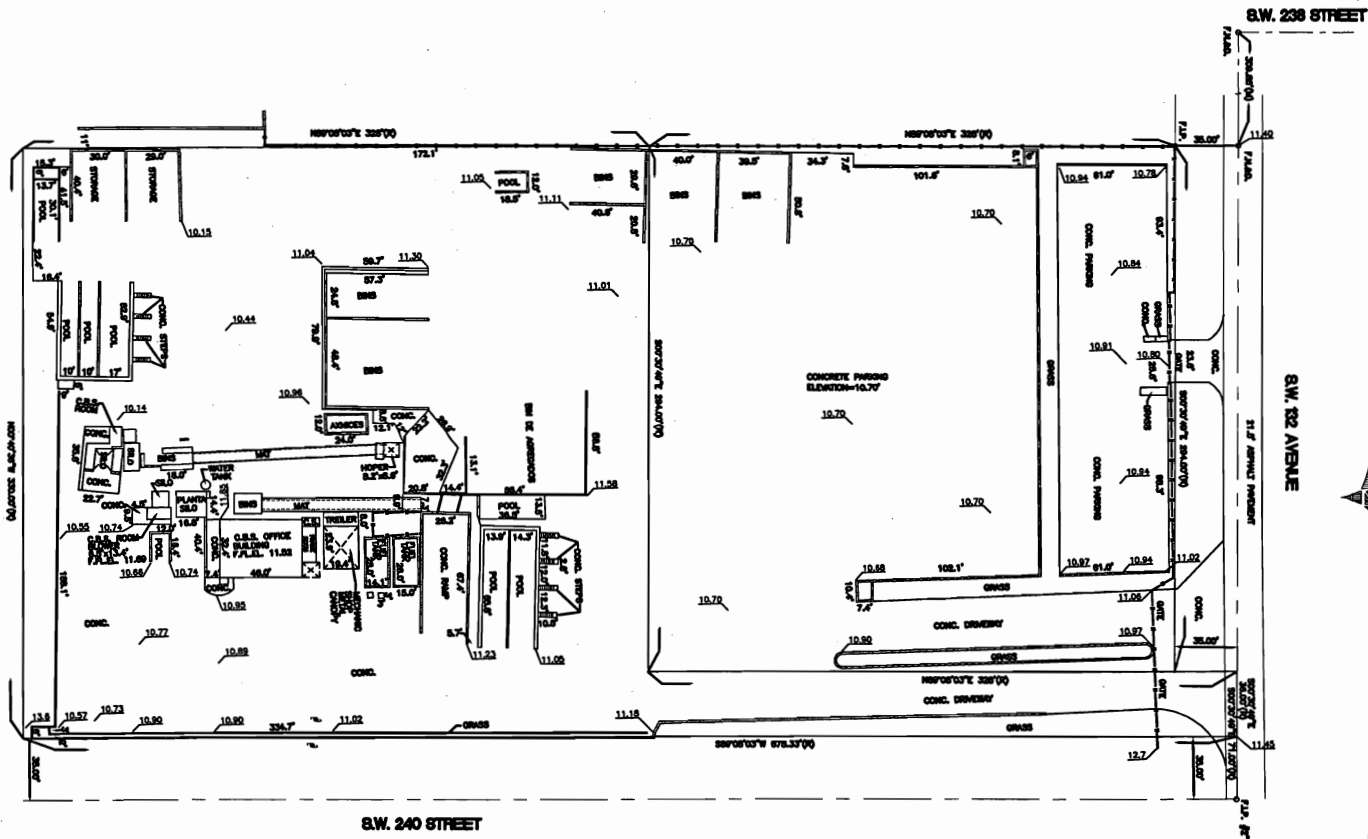
\* NEED EQUIPMENT DETAIL

\* SEE ATTACHED E-MAIL AS AN  
ADDENDUM TO THIS FORM.

R.

# SKETCH OF BOUNDARY SURVEY

SCALE 1"=30'



LOCATION SKETCH  
SCALE ..... N.T.S.

### LEGEND

P.L.S. PROFESSIONAL LAND SURVEYOR	CONC. CONCRETE
S.P.L.M.S. SET OF FOUNDING & DISC.	--- DRAIN LINE FORCE
S.P.L.A. SET OF FOUNDING 1/2" B&B PIPE	--- HOOD VENT PIPE
F.F.L.S. FINISH FLOOR ELEVATION	--- RECORD & MEASURE
CEL. CENTER ELEVATION	C.S.S. CONCRETE BLOCK & STUCCO
C.L. CENTER LINE	C.S. CONCRETE CURB

### LEGAL DESCRIPTION

THE EAST 328 FEET OF THE SOUTH 365 FEET LESS THE SOUTH 71.0 FEET AND LESS THE EASTERLY 35 FEET THEREOF FOR RIGHT-OF-WAY OF THE NORTHWEST 1/4 OF SECTION 23 TOWNSHIP 56 SOUTH, RANGE 39 EAST, LYING AND BEING IN MIAMI-DADE COUNTY, FLORIDA.

AND

THE SOUTH 365.00 FEET OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 23, TOWNSHIP 56 SOUTH, RANGE 39 EAST, LESS THE NORTH 35 FEET AND ALSO LESS THE NORTH 294.00 FEET OF THE SOUTH 365.00 FEET OF THE EAST 328.00 FEET OF SAID SOUTHEAST 1/4, OFF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 23, SAID LAND LYING AND BEING IN MIAMI-DADE COUNTY, FLORIDA.

23950 SW 132nd AVENUE, MIAMI, FLORIDA 33170

### CERTIFY TO

ADORNEL CONCRETE AT HOMESTEAD

WE HEREBY CERTIFY THAT THIS "BOUNDARY SURVEY" OF THE ABOVE DESCRIBED PROPERTY COMPLES WITH THE MINIMUM TECHNICAL STANDARDS ADOPTED BY THE FLORIDA STATE BOARD OF LAND SURVEYORS PURSUANT TO SECTION 472-207 FLORIDA STATUTES.

JOB NO. 08-066  
P.L. FILE  
DATE: 08-22-08

 **ALBERTO LORENZO-LLUCH**  
P.L.S. No. 3287, STATE OF FLORIDA  
823 S.W. 123rd AVENUE, MIAMI, FL 33144  
PHONE: 305-220-8207 - FAX: 305-220-4403

**NOTES**  
NOT VALID UNLESS SEALED WITH AN ENDSIGNED SURVEYOR'S SEAL.  
ELEVATIONS ARE BASED ON M.G.L.S. 1009.  
FLOOD ZONE "X" C.F.M. 120A3-204 J 107-12-00.  
BEARINGS ARE BASED ON A DIRECTION OF S000°00'00" E ALONG THE CENTER LINE OF S.W. 132 AVENUE.



3/19/2010

Florida Department of Environmental Protection  
Air General Permit

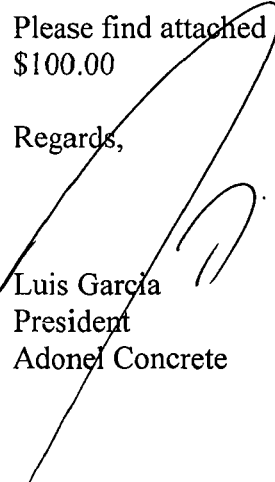
Reference# Adonel Concrete ID# 0250375  
23950 SW 132 Ave  
Miami, FL 33032

To Whom It May Concern:

We want to let you know that the aforementioned facility was shut down ; therefore, we have not done the Visible Emission Test until March 12<sup>th</sup>, 2010.  
We passed that V.E.T. and we are requesting the renewal of our Air General Permit.

Please find attached Air General Permit Registration Form along with a check for \$100.00

Regards,



Luis Garcia  
President  
Adonel Concrete



2101 NW 110th Avenue, Miami, Florida 33172

Dade: 305.669.0611 • Broward: 954.434.1244 • Palm Beach: 561.333.9700 • Treasure Coast: 772.595.1020

Administrative Office: 305.392.5416 • Fax: 305.599.2827 • [www.adonelconcrete.com](http://www.adonelconcrete.com)

Dibble, Dickson

**From:** louisepinosa@louespi.com  
**Sent:** Tuesday, April 20, 2010 12:39 PM  
**To:** Dibble, Dickson  
**Cc:** Deyanirhah Montalvan; Anamaria Garcia  
**Subject:** Adonel Concrete - Air General Permit missing info - 23950 SW 132 Ave. Miami  
**Attachments:** Plants sketch.pdf; Response to DEP - Air General Permit.pdf; Vince H Dust Collector.pdf; Vince H Silo.pdf



Dear Dickson:  
Please find attached:

1. Response to your inquiries.
2. Vince Hagan's Dust Collector's Specs.
3. Vince Hagan's Silo's Specs.
4. Plant's Sketch.

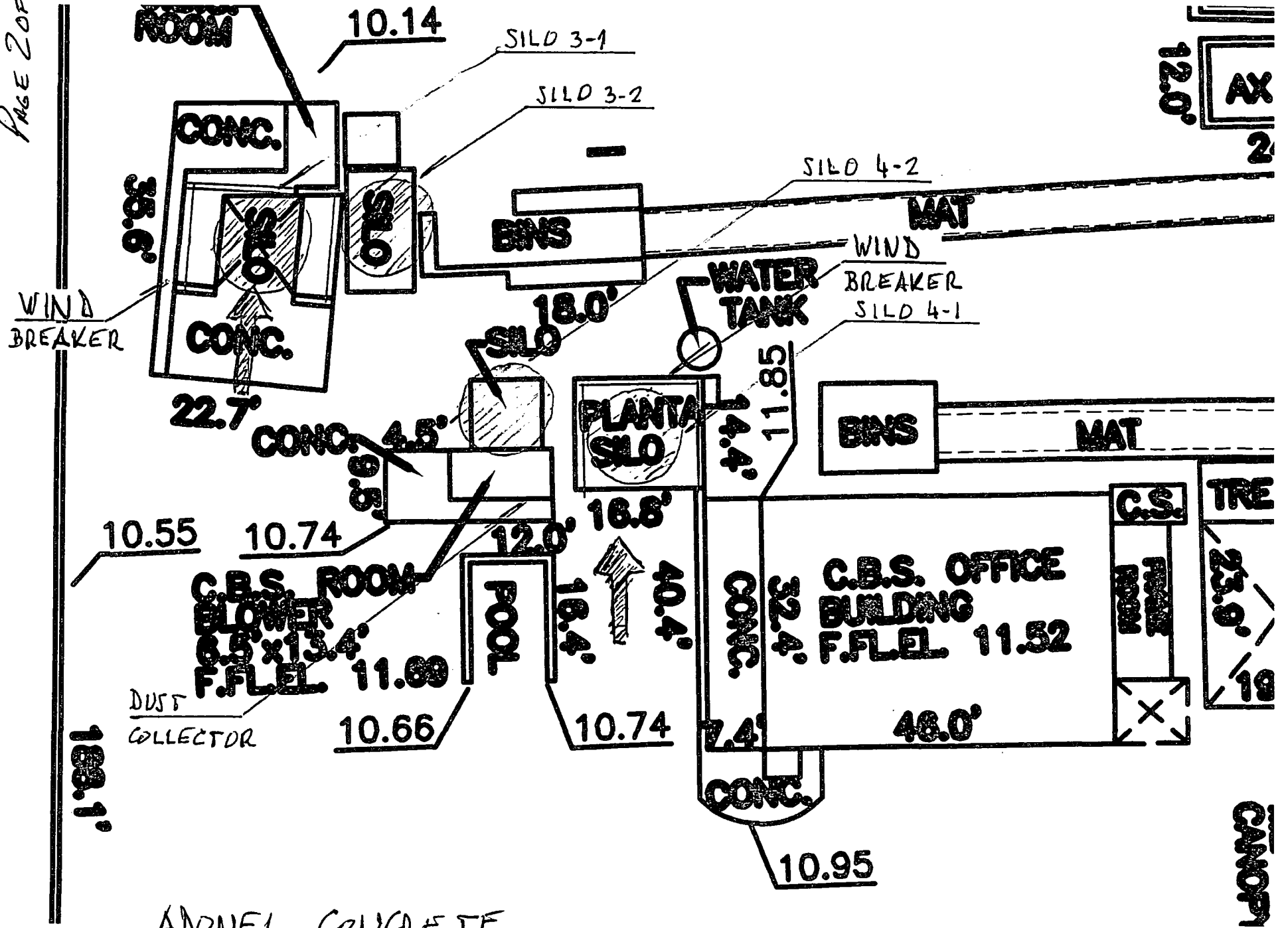
Thank you,

Thank you,

Louis Espinosa  
LOUESPI GENERAL CONTRACTOR, INC.  
13401 SW 21 St.  
Miramar, FL 33027

Phone: 954-447-2795  
Fax: 954-602-5304  
Mobile: 954-558-2046





ADONEL CONCRETE  
 23950 SW 132 AVE. MIAMI, FL 33032

Tuesday, April 20, 2010

Dear Dickson:

Please find the omitted information for the Air General Permit of:

**Adonel Concrete**  
**23950 SW 132 Ave.**  
**Miami, FL 33032**

1) Page 7 of the form:

Company Name: **Adonel Concrete**  
 Owner: **Luis Garcia**  
 Manager: **Deyanirhah Montalban**

2) Page 8 of the form:

Organization/Firm: **Adonel Concrete**  
 Owner: **Luis Garcia**  
 Mailing Address: **2101 NW 110 Ave.**  
**Miami, FL 33172**

3) Page 10 of the form:

	Equipment	Make	Model	Capacity (barrels)	Product	Type	Filter Area
1	Silo 3-1	Bessler	N/A	400			
	Silo 3-2	Bessler	N/A	300			
	Silo 4-1	Vince Hagan	N/A	1000			
	Silo 4-2	Vince Hagan	N/A	600			
	Dust Collector	Vince Hagan	N/A				see attach.
2	Baghouses	Vince Hagan	N/A			see attach.	see attach.

3 Batcher: **Wind Breaker around Plants 3 & 4**  
**Chute around Plants 3 & 4**  
**Dust Collector for Plant 4**

4 Loadout: **Wind Breaker around Plants 3 & 4**  
**Chute around Plants 3 & 4**  
**Dust Collector for Plant 4**  
**Water Sprinkler for Plant 3**

**Subject:** VINCE HAGAN DUST COLLECTION SPECIFICATIONS

**From:** Cltoedt@aol.com

**Date:** Fri, 30 Jan 2009 10:41:08 EST

**To:** louisepinosa@louespi.com

Louis,

Please find attached the specifications for your central dust collection system Model VH700JP and the specifications for the silo top dust collectors Model VH245JP. This should give you the detailed information the DEP would require. These dust collectors are the same as on your other Vince Hagan plants that are already permitted.

Thank you,  
Chris

Christopher Toedt  
V.P. Sales  
Vince Hagan Company  
601 Hampton Course  
West Chicago, IL. 60185  
office: #630-293-1496  
fax: #630-293-1665  
cell: #630-248-3759  
e-mail: ctoedt@vincehagan.com

From Wall Street to Main Street and everywhere in between, stay up-to-date with the [latest news](#).

**MODEL700-JPSPEC10-9-03 FAN.doc**

**Content-Type:**

**Content-Encoding:**

**VINCE HAGAN MODEL VH245JP.doc** **Content-Type:**

**Content-Encoding:**

**VINCE HAGAN MODEL VH700JP.doc**

**Content-Type:**

**Content-Encoding:**

# THE VINCE HAGAN CO.

*Designers, Engineers & Manufacturers of Concrete Batching Plants and Material Handling Equipment*

TABLE II  
FABRIC FILTERS

Point Number(from Flow Diagram)		Manufacturer & Model No. (if available) The Vince Hagan Co. MODEL 700-JP		
Name of Abatement Device Model 700-JP		Type of Particulate Controlled Portland Cement		
<b>GAS STREAM CHARACTERISTICS</b>				
Flow Rate (acfm)		Gas Stream Temperature (°F)		Particulate Grain Loading (grain/scf)
Design Maximum 4900	Average Expected 4900	70 F 275 F Continuous to 300 F Surge		Inlet <0.005  Outlet
Pressure Drop (in. H <sub>2</sub> O) 6"		Water Vapor Content of Effluent Stream (lb water/lb dry air)		Fan Requirements 7 1/2(hp)      4900(ft <sup>3</sup> /min)
<b>PARTICULATE DISTRIBUTION (By Weight)</b>				
Micron Range		Inlet		Outlet
0.0-0.5		0    %		%
0.5-1.0		1    %		%
1.0-5.0		25   %		%
5-10		18   %		%
10-20		25   %		%
over 20		25   %		%
<b>FILTER CHARACTERISTICS</b>				
Filtering Velocity (acfm/ft <sup>2</sup> of Cloth) 4900/700 = 7	Bag Diameter (in.) 6"	Bag Length (ft) 7	Number of Bags 64	Number of Compartments in Baghouse 1



MEMBER OF:  
**NATIONAL READY MIXED  
CONCRETE ASSOCIATION**



**THE VINCE  HAGAN CO.**

<p>Bag rows will be: Straight (8) rows of 8 bags.</p>	<p>Walkways will be provided between banks of bags: Yes platform is provided to top of Dust Collector. 2atches provided.</p>
<p>Filtering Material: Polyester Fume (Polyester .080") cloth weave; needle punched &amp; scrim supported; Anticipate replacement: 2 years.</p>	
<p>Describe Bag Cleaning Method and Cycle; Jet pulse- high entry inlet slows material to fall from air stream into collecting hopper. 8 rows of (8) bags are pulsed by a high-pressure air controlled by adjustable timer system. Pulse cycle is typically .2-.3 sec on per row, with 25-30 sec between rows. Automatic Reclaim(option), Blower with vane feeder sends material back into silo for reuse through a 3" line.</p>	
<p>Blower: Location: mounted to side of collector . Manufacturers description: (See drawings for dimensions) Chicago Fan SQB-200 Performance curves attached. Blower operated at 2484 rpm nominal. Motor : 7 1/2 hp @ 3450 rpm 460V-3PH-60HZ FLA 8.7 amps.</p>	
<p>System Dynamics: Time required to build suitable "filter cake" : 4 hours Estimate of emissions from system prior to effective build -up of filter cake: &lt;.25 lb.</p>	

# THE VINCE HAGAN CO.

## MODEL 700-JP INTRUSS BAGHOUSE

### SPECIFICATIONS

CLOTH FILTERING AREA.....	700 FT <sup>2</sup>
NUMBER OF BAGS.....	64
BAG DIAMETER .....	6"
BAG LENGTH.....	84"
CLOTH TYPE.....	POLYESTER FELT
CLOTH WEAVE.....	POLYESTER .065" (NOM.)
CONSTRUCTION.....	NEEDLE PUNCHED, SCRIM SUPPORTED
PERMEABILITY .....	25 TO 35 CFM/SQ. FT. CLOTH AREA AT .5" GAUGE RESISTANCE
AIR VOLUME INTAKE (16.5" BLOWER) .....	4900 CFM
EXHAUST OPENING SIZE.....	19 3/8" x 13 3/8"
EFFICIENCY .....	99%+ AT 1 MICRON
MANUFACTURER .....	THE VINCE HAGAN COMPANY
BAG WEIGHT .....	16± 1 OZ./SQ. YD.
MULLEN BURST.....	400 PSI MIN.
FINISH.....	PLAIN, SINGED, ACRYLIC COATED, TEFLON COATED & MEMBRANE
TEMPERATURE .....	275 <sup>0</sup> F CONTINUOUS TO 300 <sup>0</sup> F SURGE
MOTOR.....	7 1/2 HP @ 3450 RPM 184T
FAN SPEED.....	2484 RPM (NOM.)

1293 lineal ft.

VINCE HAGAN MODEL VH245JP  
SILO TOP "JET PULSE" DUST COLLECTOR

SPECIFICATIONS

CLOTH FILTERING AREA.....	245 SQ. FT.
NUMBER OF CARTRIDGES.....	7
CARTRIDGE DIAMETER.....	8.00" O.D.
CARTRIDGE LENGTH.....	36"
CLOTH TYPE.....	SPUN-BOUND POLYESTER
CLOTH WIEGHT.....	8.1 OZ./SQ. YD.
PERMEABILITY.....	28-33 CFM/SQ.FT. @ 0.5" WATER
TEMPERATURE LIMIT.....	200 DEG. F
AIR VOLUME INTAKE.....	600 CFM @ 0.5" WATER
EXHAUST OPENING SIZE.....	0.226 SQ. FT.
EFFICIENCY.....	99.995 @ .2-2 MICRONS

Unit is complete with silo flange and top access hinged door. External  
 Air piping and wiring is not included. Equipment is painted standard  
 HAGAN yellow, dunes tan, white, or gray unleaded machinery enamel.  
 Electrical for 115V/1PH/60HZ power input.

**TOTAL PRICE, F.O.B. DALLAS, TEXAS FACTORY.....\$3,397.00**



EFFECTIVE 03-29-04

**THE VINCE HAGAN COMPANY  
ROUND CEMENT SILOS**

(Refer to Drawing # S-156)

**Round cement silos** are 11'-7" in diameter and are constructed of 3/16" plate. 600 barrel silos and above are constructed of 1/4" steel plate in cone and first ring section, and the balance is 3/16" plate (1/2" plate optional). Silos include 4" air fill line w/aluminum adapter, atmospheric vent, manhole, lifting lugs, outside ladder w/safety cage (shipped loose), hand rail w/kick plate around top of silo (shipped loose), piped aeration system w/externally removable pads & control valve, emergency slide plate at discharge, inside ladder, and manual pressure safety relief valve. Will be primed and painted standard Hagan yellow unleaded machinery enamel unless otherwise specified (see option #13). Silos are rated and plated per CPMB specifications. **NOTE:** See silo options on pages 2 and 3. Maximum capacity based on cement at 94 lb/cu feet. Minimum based on cement at 60 lb/cu feet.

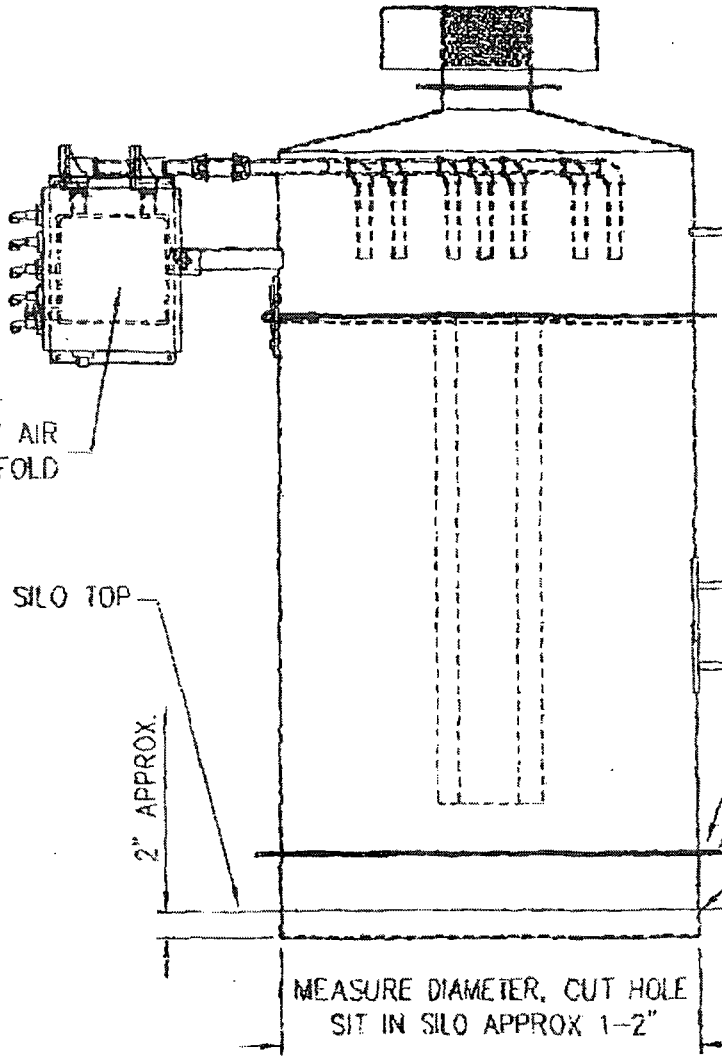
**GOUND SILOS (STUB LEGS):**

NORMAL CAPACITY BARRELS	CUBIC FEET	TONS MAX	TONS MIN
200	830	39	24
300	1252	58	37
400	1673	78	50
500	2094	98	62
600	2516	118	75
800	3254	152	97
1000	4097	192	122
1200	4835	227	145

**ELEVATED SILOS (20' STRUCTURE):**

200	830	39	24
300	1252	58	37
400	1673	78	50
500	2094	98	62
→ 600	2516	118	75
800	3254	152	97
→ 1000	4097	192	122
1200	4835	227	145

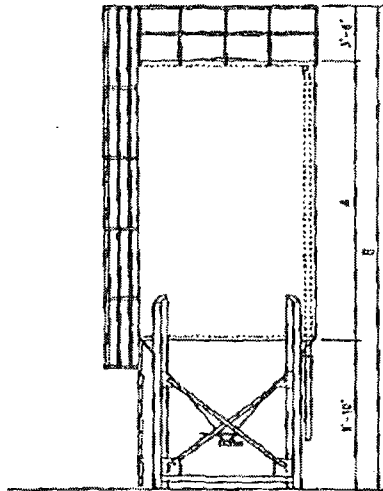
ATTACH DRY AIR LINE TO MANIFOLD



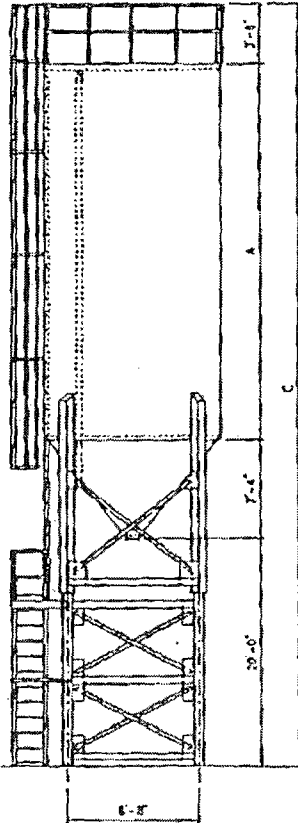
BOLTS MARKED 09-JP245

REV.		BY	DATE	DESCRIPTION	MADE FROM	REV.	THE VINCE HAGAN COMPANY DALLAS, TEXAS	
					TITLE		JP245 INSTALL	
					MODEL NO.		JP245	
					DESIGN BY	CHKD. BY	DATE REL.	SCALE
					ISSUED BY			DRAWING NO.
							JP245A01-CUST	

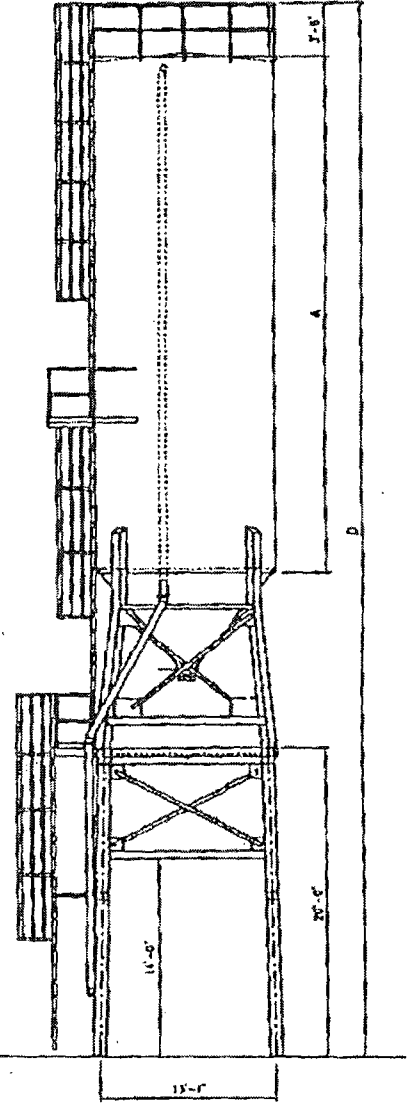
SILO DIMENSIONS (11'-7" DIAMETER)				
BARRELS	DIM A	DIM B	DIM C	DIM D
200	6'-0"	19'-4"	36'-10"	41'-4"
300	10'-0"	23'-4"	40'-10"	45'-4"
400	14'-0"	27'-4"	44'-10"	49'-4"
500	18'-0"	31'-4"	48'-10"	53'-4"
600	22'-0"	35'-4"	52'-10"	57'-4"
700	25'-0"	38'-4"	55'-10"	60'-4"
800	29'-0"	42'-4"	59'-10"	64'-4"
900	33'-0"	46'-4"	63'-10"	68'-4"
1000	37'-0"	50'-4"	67'-10"	72'-4"
1100	41'-0"	54'-4"	71'-10"	76'-4"
1200	44'-0"	57'-4"	74'-10"	79'-4"



GROUND SILO



ELEVATED SILO



BATCHING SILO