

Permit Application for Mixing Plant

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CONCRETE BATCHING PLANT
AIR GENERAL PERMIT REGISTRATION FORM

Bureau of Air Monitoring
& Mobile Sources

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)

7775659-001

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.)

Bouygues Civil Works Florida

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.)

Port of Miami Tunnel Project

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

Street Address: 1050 MacArthur Causeway

City: Miami

County: Miami-Dade

Zip Code: 33131 - 1613

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

12/1/2010

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: Louis Brais, Project Executive

Owner/Authorized Representative Mailing Address

Organization/Firm: Bouyques Civil Works Florida
Street Address: 1050 MacArthur Causeway
City: Miami County: Miami-Dade Zip Code: 33132

Owner/Authorized Representative Telephone Numbers

Telephone: (305) 894-1800 Fax: (305) 374-8692
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: Graham Smith, Permit Coordinator

Facility Contact Mailing Address

Organization/Firm: Bouyques Civil Works Florida
Street Address: 1050 MacArthur Causeway
City: Miami County: Miami-Dade Zip Code: 33132

Facility Contact Telephone Numbers

Telephone: (305) 894-1825 Fax: (305) 374-8692
Cell phone (optional): 305-310-5899

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

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.

This is a plant that is used for mixing Portland Cement, Bentonite, and Cement Slag. There is no transfer of material from the mixing plant into trucks. After mixing, the cement is pumped directly into the ground using a fully enclosed hose. No stockpiling is needed during this process. The plant is powered electrically.

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.

The plant to be used is a standard Mixing Plant (See attached Technical Data Sheet). Portland Cement, Bentonite, and Cement Slag will be the products that are being mixed. The cement is being pumped directly into the ground after mixing. Bouygues Civil Works Florida will document and inform the FDEP of any equipment or process changes in the future.

- 1) PRIOR TO MIXING/PUMPING WHERE ARE ITEMS STORED?
 - a) CEMENT?
 - b) BENTONITE?
 - c) SLAG?

- 2) EMISSION CONTROLS/UNITS?

* SEE ATTACHED E-MAIL, W/ATTACHMENTS DATED 12/17/10 AS AN ADDENDUM TO THIS FORM.
Q

From: SMITH, Graham [g.smith@bcwf-miami.com]
Sent: Friday, December 17, 2010 5:13 PM
To: Dibble, Dickson
Subject: FW: Port of Miami Tunnel Project - Plant
Attachments: Airmax 225 S.pdf; Silo Dims.pdf

Dick,

There are 2 dust collectors. Have a good weekend.

Graham

From: SMITH, Graham
Sent: Friday, December 17, 2010 4:50 PM
To: 'dickson.dibble@dep.state.fl.us'
Subject: FW: Port of Miami Tunnel Project - Plant

Dick,

The Dust Collector is base mounted to a slab. Please let me know if you need any other information.

Thanks,

Graham

From: SMITH, Graham
Sent: Friday, December 17, 2010 1:00 PM
To: 'dickson.dibble@dep.state.fl.us'
Subject: Port of Miami Tunnel Project - Plant

[Airmax 225 S.pdf](#) [Silo Dims.pdf](#)

Dick,

- Please see attachments for Silo dimensions and the Dust Collector info.
- The 2 silos are loaded with blower trucks through closed ended hoses.
- The filters are 13" x 72", 2-ring Sateen – 18 required.

Please let me know if you need any further details.

Thank you,

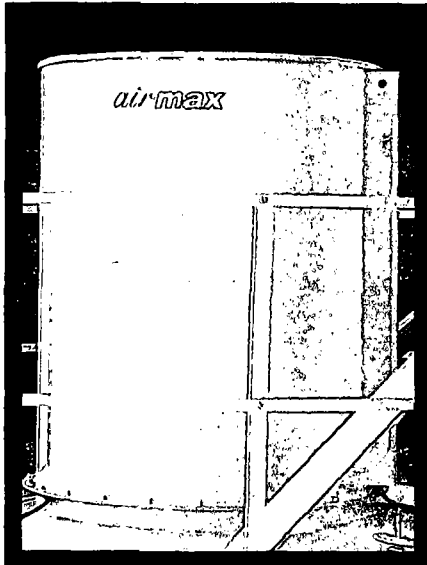
Graham Smith
Bouygues Civil Works Florida
305-310-5899



DIVERSIFIED STORAGE SYSTEMS

(888) SILO-SYS (888) 745-6797

AirMax 225 S Dust Collector



Collector Specifications

Total Filtration Area	225 Sq. Ft.
Air to Cloth Ratio (ACFM/Sq.')	2.5
Pressure Drop (in. H 2O)	6"
Air Capacity	675 C.F.M.
Outlet Area (Sq.')	.58
Cleaning Method	Shaker Plate
Vibrator (Air or Electric)	Rotary Style
Vibrator Air Consumption (High Press.)	8 CFM (Max)
Vibrator Power	120 V/ 1 ph
Duty Cycle	1.5 hours
Normal Operating Pressure on Truck	8 - 13 PSI *
Filter Servicing Pressure on Truck	15 PSI *
Over-pressure relief settings on Truck	18 PSI *

* Dust Collector performance is measured by the back pressure gauge on truck product line. Truck line pressure gauge is acceptable for determining operating pressures. (See †)

Filter Bag Specifications

Filter Bag Count	18 hung style
Replacement Filter Bag Model #	DC 225S
Dimensions	8" OD X 72" Height
Filter Area (Per)	8.33 Sq. '
Material Weight	9 oz. / Sq. Yd.
Fiber	100% Polyester
Construction	Spun/Spun
Permeability	25 c.f.m.
Mullen Burst Dry	500 PSI
Temperature Limit	275 Deg. F.
Efficiency (PM-10)	99.99%

Vibrator Specifications

Air Vibrator	Model V-190
VPM @ 60 PSI	4200
CFM @ 60 PSI	7.5 CFM
Noise @ 60 PSI	70 db
Control	Manual
Electric Vibrator	Model 2P-75
Voltage/amps	115v/0.5 amp
VPM	3600
Noise	60 db.
Control	Auto/Manual

Collector Performance (PM-Reg.)**

0.5 - 1.0 Micron	99.9 % Passing	0.10 % Retained
1.0 - 20.0 Micron	0.02 % Passing	99.98 % Retained
> 20.0 Micron	0.01% Passing	99.99 % Retained

** Typical Portland Cement is 44 Micron

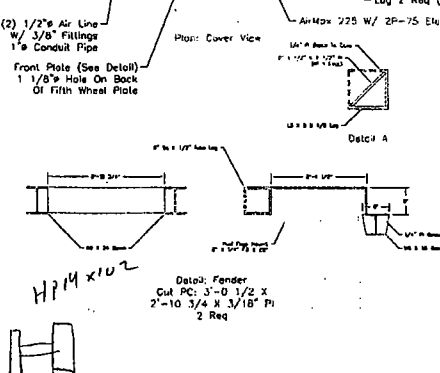
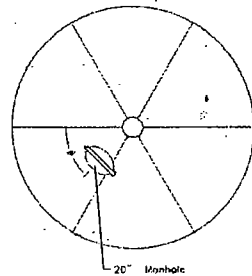
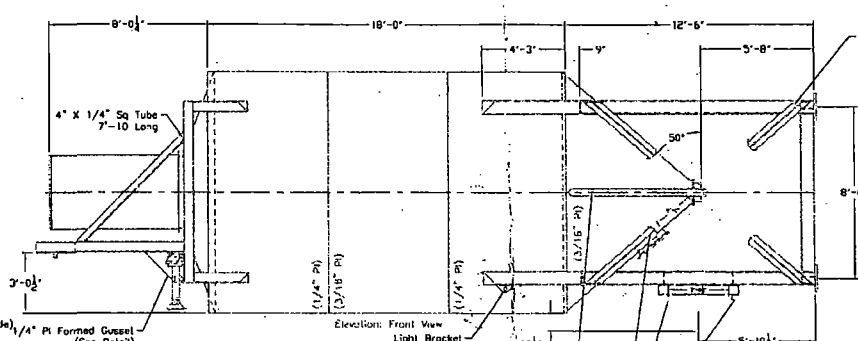
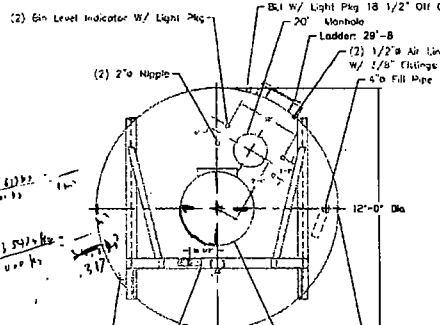
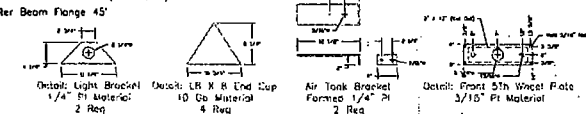
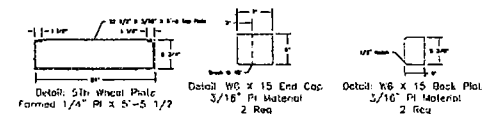
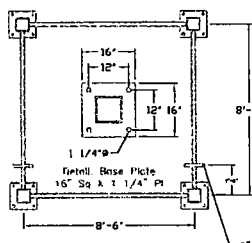
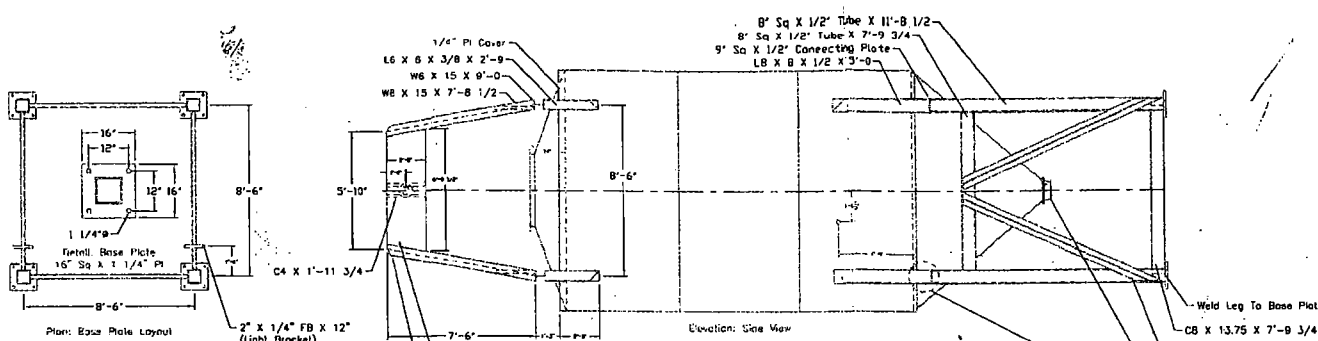
Mounting Options

- Bin Vent Mount (Silo Top)
- Base Mount (Optional Base Needed)
- Trailer Mount (Portable Applications)

† Dust Collector performance can be reduced or fail if silo is overfilled. Warranty is voided if there are no silo overfill or overpressure preventing systems installed. Standard one year warranty for all actuating parts and timers (not filters). Magnehelic gauge is optional if needed.

1135 E. Wooley Rd. Ph # 805-247-0418
Oxnard CA, 93030 Fax # 805-247-0246

www.CementSilos.com



GENERAL NOTES:
 1.) Paint Light Gray
 2.) Include (3) 5th Level Indicator W/ Light Package

Customer Approval Drawing
 Please Sign and Return One Copy Signed:

	TITLE:	550, Brd - Portable
	DRAWING NUMBER:	OSS-08910
	DATE:	08/09/10
	SCALE:	1/2"=1'-0"
	DESIGNER:	
	REVISOR:	
	APPROVED BY:	
FOR:	Malcolm Drilling	
JOB:		

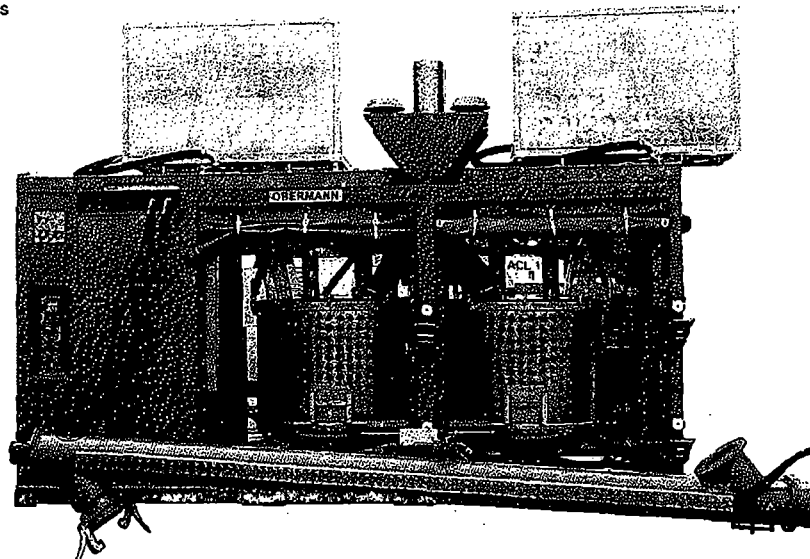
THIS DRAWING IS THE PROPERTY OF OVERSIZED STORAGE SYSTEMS, INC. IT SHALL NOT BE LOANED OR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WITH WRITTEN AUTHORIZATION. ALL RIGHTS RESERVED.

Mozer
 Store

1300 C. F. P. O. X
 9778 90124875

1.1 Technical data sheet No. 197_2-48/ D
Mixing plant OM 1000/2-48-jet (U.S.)

Fully automatic unit, with menu control
 Application area: jet-grouting, soil mix, flush drilling, slurry-trench walls
 Mixing material: solid agent suspensions
 Integrated feed pump
 Tank made of stainless steel


Technical Data

Drive		: electrical, 450 V / 60 Hz
Mixer drive		
Charging auger drive (for 2 augers synchronously)	}	: 2 x 37.0 kW
Feed pump		: 7.5 kW
Compressor		: 1.2 kW
Total required power for unit		: 88.0 kW

External electrical consumers

For silo vibrators	4 x 1 kW, 1 ph. / 115 V	: 4.0 kW	} cannot be used synchronously
For bentonite pump	1 x 15 kW, 3 ph. / 450 V	: 15.0 kW	
For fluid additive pump	1 x 2 kW, 1 ph. / 115 V	: 2.0 kW	
Free socket	1 x 4 kW, 3 ph. / 450 V	: 4.0 kW	
Free socket	1 x 2 kW, 1 ph. / 115 V	: 2.0 kW	

Total power consumption for external consumers : 15.0 kW

Total power consumption : 98.0 kW

Connections	- Electrical	: as required
	- Water inlet	: DN 80, flange resp. as required (P-max 10 bar)
	- Solid agents inlet	: 4 x Ø 200 fitting to charging augers
	- Suspension outlet	: DN 100 / quick coupling

Dimensions (L, W, H)	transport	: 5740 x 2400 x 2560 mm H incl. charging augers
Weight	site	: 5600 x 1700 x 3760 mm H : approx. 6 – 7 t

Performance

Mixer: 26 m³/h at 24 double cycles / w/c 0.9

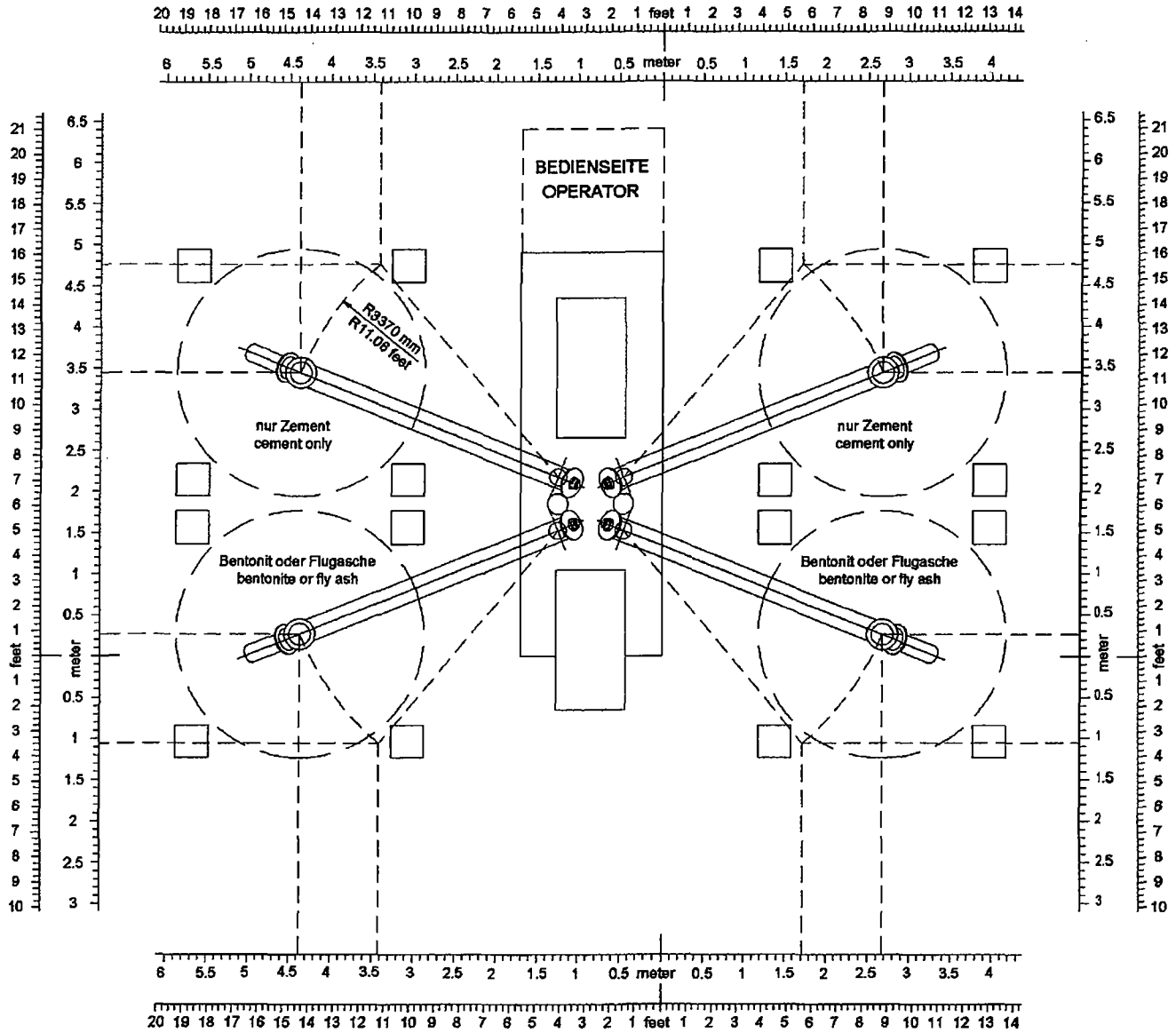
Baustelleneinrichtungsplan

Footprint of job site equipment



OM 1000/2-48-jet-(U.S.)

Aufstellmöglichkeiten für 4 Stück Förderschnecken FS 270-3.5H (Option)
 System with 4 pc. charging augers FS 270-3.5H (option)



Zement / cement	FS270-3.5H
Flugasche / fly ash	FS270-3.5H
Bentonit / bentonite	FS270-3.5H



FLORIDA

General Contractor License No. CGC062569

December 1, 2010

Florida Department of Environment Protection
Division of Air Resource Management
P.O. Box 3070
Tallahassee, FL 32315-3070

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DEC 1 0 2010

Bureau of Air Management
& Mobile Sources

BCWF Ref: BCWF / 02587

Your Ref:

Re: Air General Permits

To the FDEP Division of Air Resource Management:

In regards to the Port of Miami Tunnel Project, Bouygues Civil Works Florida (BCWF) is informing the FDEP of one mixing plant and one grout plant that are on our job site. BCWF are of the opinion that neither the mixing plant or the grout plant meet the criteria to require a Concrete Batching Plant Permit from the FDEP. However, on November 18th, 2010 a site visit was conducted by a representative from the Department of Environmental Resource Management (DERM) who informed BCWF that the mixing plant and grout plant may meet the criteria to require Air General Permits for Concrete Batching Plants. As such, BCWF is making these permit applications as a proactive measure in light of the fact that these may be required. The mixing plant is located on Watson Island and be in operation from September, 2010 to April of 2011. The grout plant is also located on Watson Island and be in operation from December, 2010 to January of 2011.

If you should have any questions when reviewing the applications, please contact our Permit Coordinator at the information below:

Graham Smith 305-310-5899 or g.smith@bcwf-miami.com

We look forward to continuing to work with the FDEP through the permitting process of the Port of Miami Tunnel Project.

Best Regards,

Louis Brais
Project Executive, BCWF

On behalf of BCWF
Port of Miami Tunnel Project

Encl: 1 - Permit Application for Mixing Plant with Check #000553 for \$100.00
2 - Permit Application for Grout Plant with Check #000582 for \$100.00

Cc int: JFo, PBo, PPa, RSt, LPe, Ndu, GSm

Cc ext.: Jennifer Smith (FDEP), Isa Nunez (FDOT), John Palenchar (FDOT), Mauricio Gomez (FDOT), Dorian Valdez (POM), Patrick Shortal (POM), Becky Hope (POM), Diana Beauchamps Lopez (URS/POM), Guillaume Dubois (MAT), Rick Wilson (MAT)

Bouygues Civil Works Florida, Inc.
1050 MacArthur Causeway
Miami, FL 33132

Tel.: 305-894-1800/1741
Fax: 305-374-8586/8692
pomt@bcwf-miami.com

From: Origin ID: MPBA (305) 894-1785
Ronnie Alvarez
Bouygues Civil Works Florida
1050 MacArthur Causeway

Miami, FL 33132



J10301010040225

Ship Date: 06DEC10
ActWgt: 1.0 LB
CAD: 101429434/INET3090

Delivery Address Bar Code

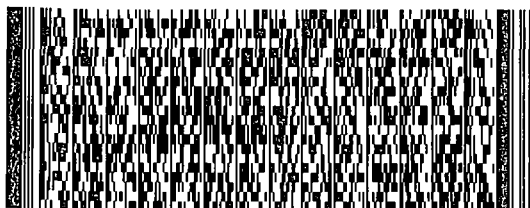


Ref # BCWF/02587
Invoice #
PO #
Dept #

SHIP TO: (000) 000-0000 BILL SENDER

FDEP - Division of Air Resource MGT
PO Box 3070

TALLAHASSEE, FL 32315



TRK# 7965 2019 8768
0201

TUE - 07 DEC A2
STANDARD OVERNIGHT

32315

FL-US

TLH

XH TLHA



50AC1/AA88/2780

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1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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Telephone

City, State, Zip

Address

Company

Name

LHA

136596 REV 2/06 MMV

Express

Emp# 87882 08DEC10 TLHA 50AC1/AA88/183F

Dibble, Dickson

Subject: Processed AIRS ID# 7775659-001, BOUYGUES CIVIL WORKS FLORIDA dba PORT OF MIAMI TUNNEL PROJECT, 1050 MACARTHUR CSWY, MIAMI, FL 33132-1613
Location: CONCRETE BATCHING PLANT-Miami
Start: Fri 12/17/2010 12:00 AM
End: Sat 12/18/2010 12:00 AM
Show Time As: Free
Recurrence: (none)
Organizer: Dibble, Dickson
Categories: PENDING

PENDING

12/17/10, 0745 HRS-Called Graham Smith (305) 310-5899 (cell) and left VM message.

- 1) Where are items stored prior to mixing and pumping?
 - a) Cement?
 - b) Bentonite?
 - c) Slag?

- 2) *If silos or other storage devices (silos) are used what emission control devices are used?*

12/17/10, 1122 HRS-Mr. Smith returned my call, Did not know answers to my questions, but will find out and send e-mail later today. I will attach e-mail as an addendum to the submitted form.