

**CONCRETE BATCHING PLANTS
AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET**

RECEIVED

MAR 16 2012

DIVISION OF AIR
RESOURCE MANAGEMENT

Facility Identification Number (If known)

0090033

0090033-006

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
 Operate an existing permitted 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). 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. (See "Surrender of Existing Air Operation Permit(s)" below.)
 Operates an existing facility not currently permitted or using 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 Applicable

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

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.)

CEMEX Construction Materials Florida, L.L.C.

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

CEMEX - Melbourne Ready-Mix

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

Street Address: 1200 Lake Washington Road

City: Melbourne

County: Brevard

Zip Code: 32935 - 5502

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

N/A

Facility Contact

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

Print Name and Title: Larry Jenkins – District Operations Manager

Facility Contact Telephone Numbers

Telephone: (321) 636-5124

Fax: (321) 636-5922

Cell phone: (321) 427-7118

E-mail: larryw.jenkins@cemex.com

Facility Contact Mailing Address

Organization/Firm: CEMEX Construction Materials Florida, L.L.C.

Street Address: 3345 East Industry Road

City: Cocoa

County: Brevard

Zip Code: 32926

Other Contact/Representative (to serve as additional Department contact)

Name and Position Title

Print Name and Title: Jeffrey R. Porter – Environmental Manager

Other Contact/Representative Telephone Numbers

Telephone: (561) 820-8415

Fax: (561) 820-8643

Cell phone: (561) 718-7564

E-mail: Jeffreyr.porter@cemex.com

Other Contact/Representative Mailing Address

Organization/Firm: CEMEX Construction Materials Florida, L.L.C.

Street Address: 1501 Belvedere Road

City: West Palm Beach

County: Palm Beach

Zip Code: 33406

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

Equipment Details Provide information for each silo, weigh hopper (batcher), and other enclosed storage and conveying equipment that are limited to a visible emissions of 5 percent opacity pursuant to Rule 62-296.414(1), F.A.C.

PROCESS EQUIPMENT TYPE (silo, weigh hopper, batcher, etc.)	PROCESS EQUIPMENT IDENTIFICATION*	CONTROL DEVICE (baghouse, vent filter, etc.)	CONTROL DEVICE MANUFACTURER	CONTROL DEVICE MODEL NUMBER
Mixer Truck Loadout	EU-001 006	Central Baghouse	APPCO	60-7000
Bin / Compartment 1	EU-002 001	Cartridge Filter	C & W Dust Systems	CP-305-839
Bin / Compartment 2	EU-003 002	Cartridge Filter	C & W Dust Systems	CP-305-839
Flyash / Slag Silo	EU-004 003	Cartridge Filter	C & W Dust Systems	CP-305-839
Weigh Hopper	N/A 004	Fabric Filter Bag	N/A	N/A

CHANGE
 *SEE
 ATTACHED
 LETTER 2
 REGISTRATION
 UPDATE
 DATED
 03/28/12
 AS AN
 APPENDIX
 TO THIS
 REGISTRATION
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* If there are multiple pieces of the same types of process equipment (more than one silo, etc), provide an identifier (location, numeric designation, capacity or product) specific to each piece of equipment.

Helpful Definitions.

“Emissions Unit” - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

“Facility” - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

“Owner” or “Operator” - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

“Relocatable Facility” - A facility such as, but not limited to, an asphalt plant, portable power generator, or concrete batch plant, which is designed to be physically moved to, and operated on, different sites by being wholly or partially dismantled and re-erected in essentially the same configuration. It shall not be operable while in transit.

“Unconfined Emissions” - Emissions which escape and become airborne from unenclosed operations or which are emitted into the atmosphere without being conducted through a stack.

Page 2
FDEP / Air Section
AG Renewals

Location	General Air Permit No.	Check No.
CEMEX – Canaveral	0090032-006-AG	22340407
CEMEX – Melbourne	0090033-005-AG	22340408
CEMEX – Titusville	0090031-004-AG	22340410
CEMEX – Valkaria	0090065-005-AG	22340409



CERTIFIED - RETURN RECEIPT REQUESTED
7011 2970 0001 9524 6213

March 12, 2012

Florida Dept. of Environmental Protection
Receipts
P. O. Box 3070
Tallahassee, FL 32315-3070

RECEIVED

MAR 16 2012

Florida Dept. of Environmental Protection
Receipts

RE: General air permit renewals for four CEMEX concrete facilities.

Dear Sirs:

Attached with this letter are four (4) FDEP Air General Permit Registration Forms and four checks, each in the amount of \$100.00. This information is being submitted to your office in order to request renewal of general air permits for four of our concrete facilities. The various locations, permit numbers and check numbers are itemized on the next page for your convenience.

If you have any questions concerning these applications or need additional information to complete your reviews, please contact us at (561) 820-8415.

Sincerely,

Jeffrey R. Porter
Environmental Mgr.

Attachments

cc: L. Jenkins
R. Gilchrist
M. Petrick
File (Various)

AIRIAG_RENEWALS 2012DOC

East Region

1501 Belvedere Road, West Palm Beach, FL 33406. USA, (561) 833-5555

Dibble, Dickson

From: Jeffrey R Porter [jeffreyr.porter@cemex.com]
Sent: Wednesday, March 28, 2012 10:38 AM
To: Dibble, Dickson
Subject: Updated to the CEMEX / Melbourne Ready-Mix Facility's General Air Permit (0090033)
Attachments: Melbourne AG Update.pdf

Good Morning, Mr. Dibble,

I recently submitted a general air permit renewal for our Melbourne ready-mix facility, which is currently under review in your department. Earlier today I was contacted by someone in our Maintenance Division, who requested approval to replace the site's old central dust collector with a newer refurbished unit. The specifics of the update are:

Site Name: CEMEX / Melbourne Ready-Mix

Site AIRS No.: 0090033

Site Address: 1200 Lake Washington Road
Melbourne, FL 32935

Existing Dust Collector: APPCO Model 60-7000

Proposed Dust Collector: C. & W. Dust Systems Model CP-900-1278

Specifications for the proposed unit are attached, along with a revised detail sheet from the site's general air permit application form. If you need any additional information to process this request, please let me know.

Thank You,



Jeffrey R. Porter
Environmental Manager - Environmental - United States of America
Office : (561)820-8415 Fax: (561)820-8643 Mobile: (561)718-7564
Address: 1501 Belvedere Road West Palm Beach, FL 33406
e-Mail: jeffreyr.porter@cemex.com
www.cemexusa.com



Please consider the environment before printing this email.

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:

<input type="checkbox"/> Pave Roads	<input checked="" type="checkbox"/> Pave Parking Areas	<input checked="" type="checkbox"/> Pave Yards
<input type="checkbox"/> Maintain Roads/Parking/Yards	<input checked="" type="checkbox"/> Use Water Application	<input type="checkbox"/> Use Dust Suppressant
<input type="checkbox"/> Remove Particulate Matter	<input checked="" type="checkbox"/> Reduce Stock Pile Height	<input type="checkbox"/> Install Wind Breaks

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

<input type="checkbox"/> Spray Bar	<input type="checkbox"/> Chute	<input type="checkbox"/> Enclosure
	<input checked="" type="checkbox"/> Partial enclosure	

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Flyash / Slag Silo	EU-004 003	Cartridge Filter	C & W Dust Systems	CP-305-839
Weigh Hopper	N/A EU 004	Fabric Filter Bag	N/A	N/A

NEW

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"Unconfined Emissions" - Emissions which escape and become airborne from unenclosed operations or which are emitted into the atmosphere without being conducted through a stack.

**Specifications for CP Silo Collectors
at 6" Static Pressure**

Model Number	CP-230-639	CP-300-839	CP-310-478	CP-380-1039	CP-450-678	CP-610-878
Number of Cartridges	6	8	4	10	6	8
Cartridge Diameter & Length	8"x39"	8"x39"	8"x78"	8"x39"	8"x78"	8"x78"
Number of Solenoids	2	2	2	2	2	2
Total Filtration Area	228	304	304	380	456	608
Min. Design Efficiency	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%
Air to Cloth Ratio (ACFM/Ft.2)	3.5	5.3	5.3	5.3	5.5	4.9
Filtration Velocity (Ft./Min.)	3.5	5.3	2.6	5.3	5.5	4.9
Blower Horsepower (optional)	2	3	3	3	5	5
Static Pressure Drop (WC)	6"	6"	6"	6"	6"	6"
Normal Air Capacity	850	1600	1600	2000	2500	3000
Outlet Area (Ft.2)	0.196	0.64	0.64	0.81	0.79	1.00
Outlet Velocity (Ft./Sec.)	68.03	41.67	41.67	41.15	52.74	50.00
Outlet Moisture Content (Ideally)	0	0	0	0	0	0
Cleaning Mechanism	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer
*Inlet Dust Concentration	12,000	24,000	24,000	30,000	37,500	45,000
*Outlet Emissions (Gr/Min)	1.20	2.40	2.40	3.00	3.75	4.50
*Outlet Dust Loading (Gr/Cf)	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
*These Calculations Based on Inlet Loading of 15 Gr. / Ft. 3 Your State Environmental Dept. may request additional information. If so, contact C & W Engineering The Fabric Material is 100% Spun Bound Polyester The Approximate Weight of the Filter Media is 8.1Oz.						

**Specifications for CP Silo Collectors
at 6" Static Pressure**

Model Number	CP-760-1078	CP-900-1278	CP-1220-1678	CP-1520-2078	CP-2250-3078
Number of Cartridges	10	12	16	20	30
Cartridge Diameter & Length	8"X 78"	8"X 78"	8"X 78"	8"X 78"	8"X 78"
Number of Solenoids	2	3	4	5	6
Total Filtration Area	760	912	1216	1520	2280
Min. Design Efficiency	99.99%	99.99%	99.99%	99.99%	99.99%
Air to Cloth Ratio (ACFM/Ft.2)	5.3	5.5	5.5	5.5	5.5
Filtration Velocity (Ft./Min.)	5.3	5.5	5.5	5.5	5.5
Blower Horsepower (optional)	7.5	10	15	20	25
Static Pressure Drop (WC)	6"	6"	6"	6"	6"
Normal Air Capacity	4,000	5,000	6,700	8,400	12,400
Outlet Area (Ft.2)	1.09	1.31	2.29	2.85	4.19
Outlet Velocity (Ft./Sec.)	61.16	63.61	48.76	49.12	49.32
Outlet Moisture Content (Ideally)	0	0	0	0	0
Cleaning Mechanism	Pulse Jet Nozzle W/Preset timer	Pulse Jet Nozzle W/Preset timer	Pulse Jet Nozzle W/Preset timer	Pulse Jet Nozzle W/Preset timer	Pulse Jet Nozzle W/Preset timer
*Inlet Dust Concentration	60,000	75,000	100,500	126,000	186,000
*Outlet Emissions (Gr/Min)	6.00	7.50	10.05	12.60	18.60
*Outlet Dust Loading (Gr/Cf)	0.0015	0.0015	0.0015	0.0015	0.0015
*These Calculations Based on Inlet Loading of 15 Gr. / Ft. 3 Your State Environmental Dept. may request additional information. If so, contact C & W Engineering					

SPECIFICATIONS

Questions? Call 1-800-880-3878 for C & W Customer Support