

**CONCRETE BATCHING PLANT
AIR GENERAL PERMIT REGISTRATION FORM**

Bureau of Air, Pollution
& Mobile Sources

MAR 1 1 2007

RECEIVED

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)

0910048-005

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):
0910048-004-AG
- 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.)

Ready Mix USA, LLC

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.)

Crestview

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

Street Address: 4565 Antioch Road

City: Crestview

County: Okaloosa

Zip Code: 32536

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

N/A

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: Erin Christie, Environmental Director

Owner/Authorized Representative Mailing Address

Organization/Firm: Ready Mix USA, LLC

Street Address: P.O. Box 101868

City: Birmingham, AL

County:

Zip Code: 35210

Owner/Authorized Representative Telephone Numbers

Telephone: 205-986-4856

Fax: 205-314-6550

Cell phone (optional): 205-936-3572

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: Wiley Willoughby, Operations Manager

Facility Contact Mailing Address

Organization/Firm: Ready Mix USA, LLC

Street Address: 12220 Panama City Beech Pkwy

City: Panama City Beach

County: Bay

Zip Code: 32412

Facility Contact Telephone Numbers

Telephone: 850-785-1934

Fax: 850-522-8510

Cell phone (optional): 850-258-1634

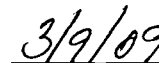
Owner/Authorized Representative Statement

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.

Particulate emissions generated during silo loading are controlled by C&W CP-305 baghouse for silos 1 and 2.

Silo 3 (new) is controlled by WAM FJS25 FILTERS Baghouse Model CP-300-839. Please see attached specifications .

Unconfined particulate emissions generated during transfer into trucks are controlled by a misting spray bar system.

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.

This facility is a concrete batch plant. Sand, gravel, cement and water are loaded into trucks to make ready mixed concrete. The material is then delivered to customers used in construction activities. A third silo is being added to this facility for increased storage capacity.

OUTLET # 2
TABLE II
FABRIC FILTERS

Point Number (from Flow Diagram) OUTLET # 2		Manufacturer & Model No. (if available) WAM FJS25		
Name of Abatement Device WEIGH BIN DUST FILTER		Type of Particulate Controlled CEMENT		
GAS STREAM CHARACTERISTICS				
Flow Rate (acfm)		Gas Stream Temperature (°F)		Particulate Grain Loading (grain/scf)
Design Maximum NA	Average Expected NA	NA		Inlet NA Outlet NA
Pressure Drop (in. H ₂ O) NA		Water Vapor Content of Effluent Stream (lb water/lb dry air) NA		Fan Requirements (hp) (ft ³ /min) NA
PARTICULATE DISTRIBUTION (By Weight)				
Micron Range		Inlet		Outlet
0.0-0.5		%		%
0.5-1.0		%		%
1.0-5.0		100%		%
5-10		100%		0.00 to 0.2%
10-20		%		%
over 20		%		%
FILTER CHARACTERISTICS				
Filtering Velocity (acfm/ft ² of Cloth) 150 TOTAL		CARTRIDGE Bag Diameter (in.) 2.5"	CARTRIDGE Bag Length (ft) 1'-8"	CARTRIDGE Number of Bags 3 CARTRIDGE
Number of Compartments in Baghouse		WAM FILTER		
Bag rows will be: Staggered Straight		Walkways will be provided between banks of bags: Yes No		
Filtering Material: POLYESTER				
Describe Bag Cleaning Method and Cycle: PULSE J-1				
Capital Installed Cost \$ _____		Annual Operating Cost \$ _____		
ADDITIONAL INFORMATION				

On separate sheets attach the following:

- A. Details regarding principle of operation
- B. An assembly drawing (Front and Top View) of the abatement device dimensioned and to scale clearly showing the design, size and shape.

CEMENT WEIGH BIN EMISSIONS

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF NEW SOURCE REVIEW
CONTROL DATA SHEET
DUST COLLECTOR**

MANUFACTER AND MODEL: WAM F11J03

**SPECIFY: BAGHOUSE
CARTRIDGE—X
OTHER(EXPLAIN)**

NUMBER OF BAGS OR CARTRIDGES: 3

SIZE OF BAGS OR CARTRIDGES: 5.25" X 20"

TOTAL BAG OR CARTRIDGE AREA: 25 sq. ft.

MAXIMUM CAPACITY(ACFM): 150

BAG OR CARTRIDGE FABRIC: SPUNBOUND POLYESTER

FABRIC WEIGHT(OZ): 9

WEAVE: 10 MICRON

FINISH: COATED

MAXIMUM FABRIC TEMPERATURE(*F): 150*F

EFFICIENCY(%): 98% TO 99.9%

AIR TO CLOTH RATIO: 6:1

**METHOD OF CLEANING: REVERSE AIR
PULSE JET — X
SHAKER**

OPERATION PRESSURE DROP(INCHES OF WATER)MIN: 3 MAX 8

PARTICULATE GRAIN LOADING (GRAIN/SCF)INLET: 30 OUTLET: .01

**FAN REQUIREMENTS HP: SCFM
VENTING—X**

CEMENT STORAGE EMISSIONS

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 Bond 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/Pre-set timer	Pulse Jet Nozzle W/Pre-set timer	Pulse Jet Nozzle W/Pre-set timer	Pulse Jet Nozzle W/Pre-set timer	Pulse Jet Nozzle W/Pre-set 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

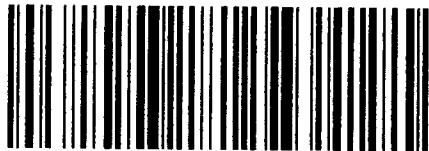
SPECIFICATIONS

*These Calculations Based on Inlet Loading of 15 Gr. / Ft. 3

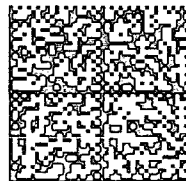
Your State Environmental Dept. may request additional information. If so, contact C & W Engineering

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

Ready Mix USA, LLC
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FL Dept of Environmental Protection
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