



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

January 8, 2008

Mr. Adam Freeman  
A-1 Concrete Block Corporation  
1617 South Division Street  
Orlando, Florida 32805

Dear Mr. Freeman:

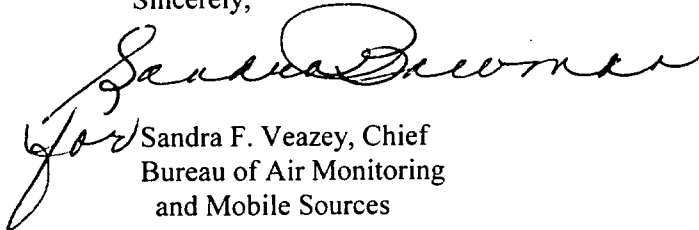
This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on December 6, 2007. We have assigned ARMS Number 1170405-001 to this facility.

Pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after 5 years. Therefore, a new registration form must be received no later than 5 years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,



Sandra F. Veazey, Chief  
Bureau of Air Monitoring  
and Mobile Sources

SFV/pg

cc: Ms. Caroline Shine, Central District

COPY #1 of 2

**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)

1170405-001

Bureau of Air Monitoring  
Mobile Sources

DEC 06 2007

RECEIVED

**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 operate 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.)

A-1 Concrete Block Corporation

**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.)

Sanford

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

Street Address: 350 Persimmon Avenue

City: Sanford

County: Seminole

Zip Code: 32771

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

12/30/07

**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: Adam Freeman, Owner

Owner/Authorized Representative Mailing Address

Organization/Firm: A-1 Concrete Block Corporation

Street Address: 1617 South Division Street

City: Orlando

County: Orange

Zip Code: 32805

Owner/Authorized Representative Telephone Numbers

Telephone: 407-422-3768

Fax: 407-423-8133

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: Same as Owner

Facility Contact Mailing Address

Organization/Firm:

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone:

Fax:

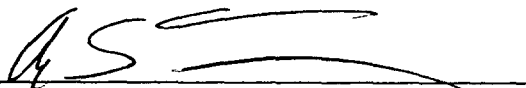
Cell phone (optional):

**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

11-30-07  
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:

<input checked="" type="checkbox"/> Pave Roads	<input checked="" type="checkbox"/> Pave Parking Areas	<input checked="" type="checkbox"/> Pave Yards
<input checked="" type="checkbox"/> Maintain Roads/Parking/Yards	<input checked="" type="checkbox"/> Use Water Application	<input type="checkbox"/> Use Dust Suppressant
<input checked="" 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 type="checkbox"/> 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.

The precautions used for the management of drop points to trucks above does not apply because this is a block plant and not a batch plant. The mixing operations will all take place in the trucks at the job site and not at the plant itself. There is a mixer baghouse located at the plant to control emissions from loading the truck with the aggregate that will be mixed as needed at job sites.

**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 new facility will have 3 - 450 Barrel Portable silos, 1 - 350 Barrel Portable silo and a mixer baghouse. The main process at the facility is block manufacturing and secondary, loading aggregate onto the Zimmerman volumetric concrete mixers that mix the concrete in the field to provide the exact amount of concrete required for the individual job. Each of the portable silos is equipped with a Turmac WAM FC3J 07-200 silo top dust collector with a 99.8-99.9% efficiency. Specifications for the baghouses are included in Attachment A. There is also a mixer baghouse at the plant for loading the aggregate into the trucks where the concrete will be mixed as needed at job sites. The mixer baghouse is a Turmac WAM FC2J 07-65 mixer dust collector with cartridge filters and a 99.8-99.9% removal efficiency. The specification for this baghouse are included in Attachment A.

**Attachment A**  
**Equipment Specifications**

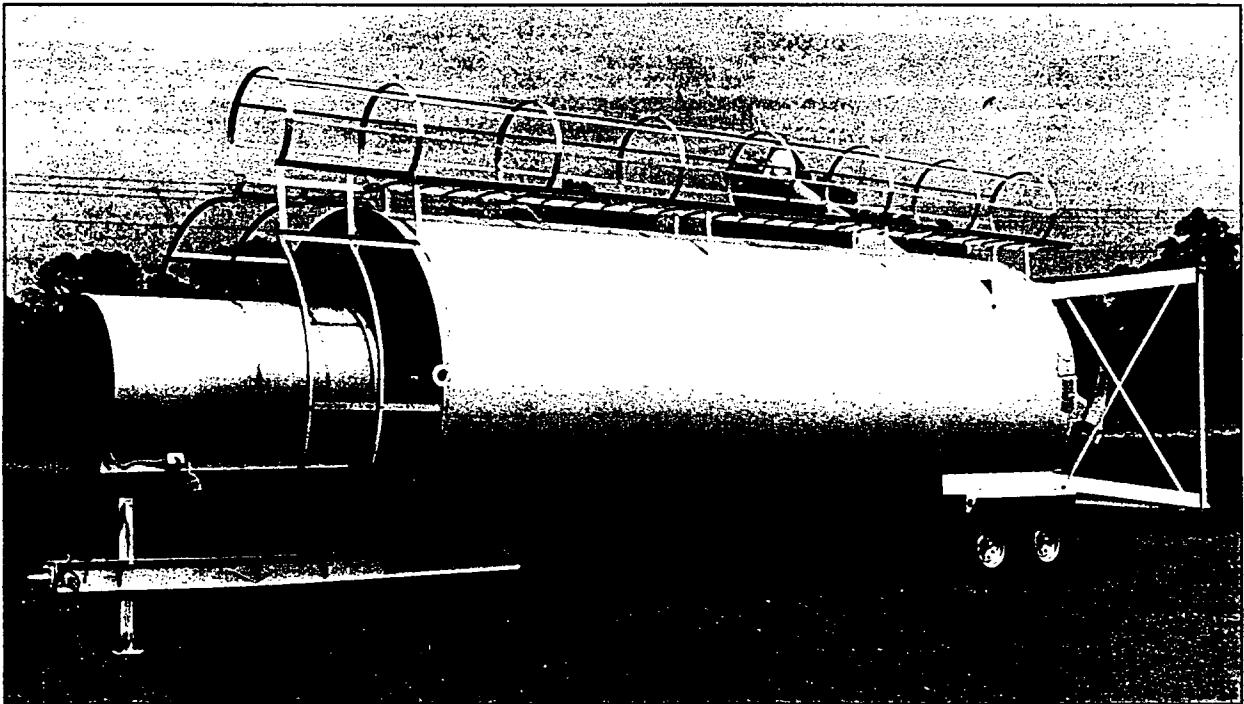


405 Lowery Ave. • Box 220  
Belgrade, Minnesota 56312  
Phone: (320) 254-8246 • FAX: (320) 254-3458



**SCOTT EQUIPMENT CO.**  
P. O. BOX 705  
LAKELAND, FL 33802  
863 / 616-9214

## Belgrade Portable Cement Silo



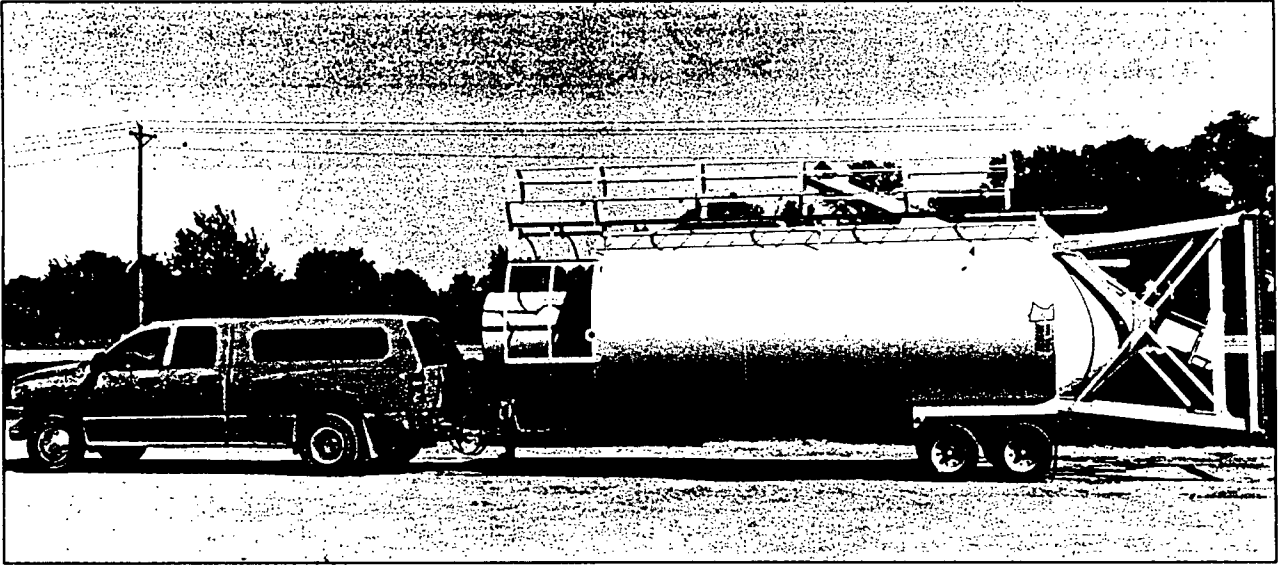
### 350 Barrel Portable Silo

- 8'6" Dia. x 37' Height – 350 Brrl.
- Positive Feed Drive
- 9" Dia. Screw x 17'
- 10 HP Motor And Gear Box Drive
- Heavy Duty Dual Axle Trailer and Tires
- Electric Brakes and Light Package
- 150 Sq. Ft. Bag Area Dust House with Air Vibrator
- Trailer Jack
- Wt. 10,000#

### 270 Barrel Portable Silo

- 8'6" Dia. x 31'-0" Height
- Positive Feed Drive
- 7" Dia. Screw x 17'
- 5 HP Motor And Gear Box Drive
- Heavy Duty Dual Axle Trailer and Tires
- Electric Brakes and Light Package
- 150 Sq. Ft. Bag Area Dust House with Air Vibrator
- Trailer Jack
- Wt. 8,500#

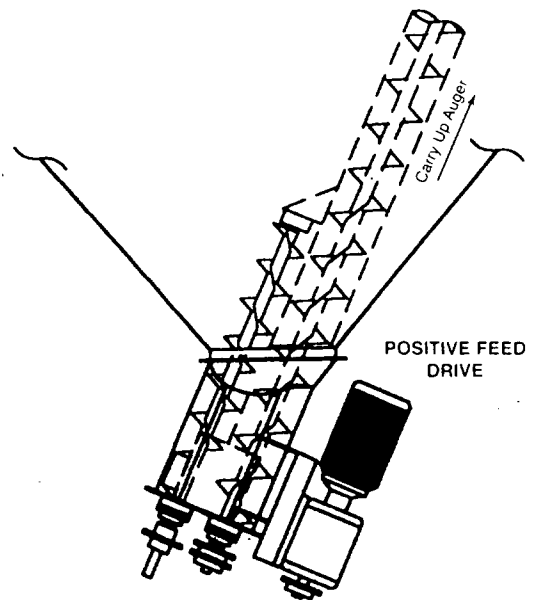
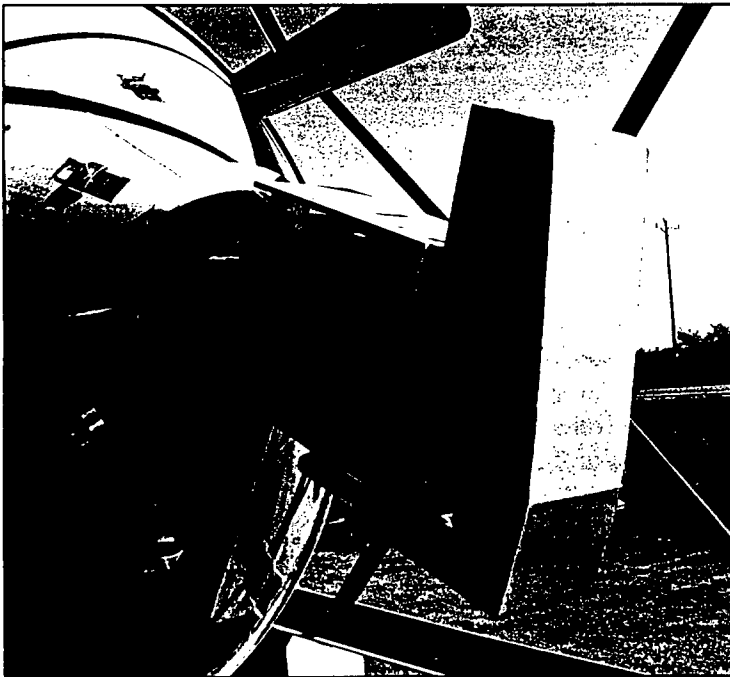
**Options:** Available with 225 Sq. Ft. Dust House  
Bin Level Indicators  
Leg Extension Package  
9" & 12" Screw Available for 270 & 350 BBL Silos  
Gas Motor Available on 7" Screw Auger Only  
Single Phase Motor



Legal Height - Legal Width - Towable with One-ton Truck

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## Positive Feed Drive System





# TURMAC

A DIVISION OF *Columbia* MACHINE, INC.

P.O. BOX 8950 ❖ Vancouver, Washington 98668

PHONE: 800-488-7622

FAX: 360-906-8786

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Department of Environmental Protection  
Bureau of New Source Review  
Control Data Sheet  
Dust Collector

Manufacturer and Model: WAM FC3J 07-200 (Silo Top Dust Collector) *4 silos*

Specify: \_\_\_ Baghouse X Cartridge

Number of bags or cartridges: 14

Size of bags or cartridges: 5.25" x 30"

Total bag or cartridge area (ft<sup>2</sup>): 200 ft<sup>2</sup>

Maximum capacity (ACFM): 1200 Cement

Bag or cartridge fabric: Spun bound Polyester

Fabric Weight: 8oz

Weave: 10 micron

Finish: coated

Maximum fabric temperature: 160 degrees F

Efficiency: 99.8-99.9%

Air to cloth ratio: 6:1

Method of cleaning: Pulse Jet

Operating Pressure drop (inches of water): Min 4 Max 8

Particulate grain loading (grain/scf): Inlet 30 Outlet .01

Fan Requirements: Venting



P.O. BOX 8950 ❖ Vancouver, Washington 98668  
PHONE: 800-488-7622  
FAX: 360-906-8786

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Department of Environmental Protection  
Bureau of New Source Review  
Control Data Sheet  
Dust Collector

Manufacturer and Model: WAM FC2J 07-65 (Mixer Dust Collector)

Specify: \_\_\_ Baghouse    X Cartridge

Number of bags or cartridges: 8

Size of bags or cartridges: 5.25" x 20"

Total bag or cartridge area (ft<sup>2</sup>): 75 ft<sup>2</sup>

Maximum capacity (ACFM): 390 CFM Cement

Bag or cartridge fabric: Polyester – Teflon

Fabric Weight: 8oz

Weave: 10 micron

Finish: coated

Maximum fabric temperature: 160 degrees F

Efficiency: 99.8-99.9%

Air to cloth ratio: 6:1

Method of cleaning: Pulse Jet

Operating Pressure drop (inches of water): Min 4 Max 8

Particulate grain loading (grain/scf): Inlet 30 Outlet .01

Fan Requirements: 3HP, 1600 CFM

# GROVE

**SCIENTIFIC & ENGINEERING**

November 30, 2007

FDEP  
Receipts  
Post Office Box 3070  
Tallahassee, Florida 32315-3070

**RE: A-1 Concrete Block Corporation  
Air General Permit Registration  
New Sanford Block Plant**

RECEIVED  
DEC 06 2007  
Bureau of Air Monitoring  
& Mobile Sources

Dear FDEP:

Enclosed are two (2) copies of the above referenced application along with a check in the amount of \$100.00 for the application fee.

If you have any questions, please call me at (407) 298-2282 or e-mail me at [sara@grovescientific.com](mailto:sara@grovescientific.com).

Respectfully,  
GROVE SCIENTIFIC & ENGINEERING COMPANY



Sara Greivell  
Environmental Scientist

cc: Adam Freeman - A-1 Block Corporation

A-1 Block general permit notification Sub Letter to FDEP 07 / 300501 / 113007

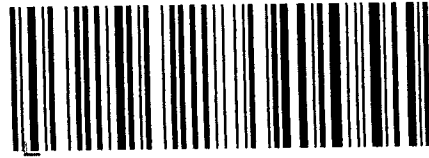
**Attachment A**  
**Equipment Specifications**

**Florida Department of Environmental Protection  
Cash Receiving Application (CRA)  
Cashlisting by Deposit #: 281318 thru 281318  
Printed: 12/4/2007 4:45:12 PM - Page 5**

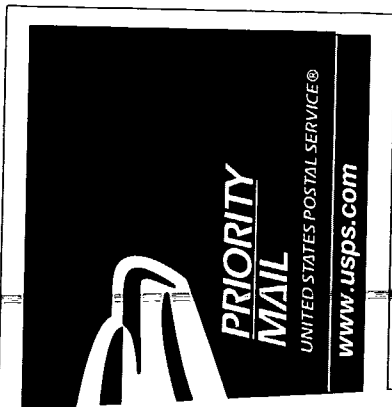
Cashlisting: **65444**    Cashlist Area: **3755**    Description: **DIV OF AIR RESOURCES MGMT.**  
Deposit No: **281318**    Date Deposited: **12/04/2007**    Contact: **PATTY ADAMS**

Object	Transmittal	Dep. DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund	
✓ 002272	45941	478972	608504		A-1 BLOCK CORPORATION	48252	\$100.00	12/7/2007 - CCB 1170405-001	851572	757491	PFTF	
Object Code 002272 Subtotal:							\$100.00					
Cashlisting 65444 Total:							\$100.00					

1617 S Diviscon Ave  
Orlando FL 32805



7000 1670 0009 6542 2588



FDEP  
Receipts  
P.O. Box 3070  
Tallahassee FL 32315-3070