

**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(4)(o), F.A.C. (\$100 as of the effective date of this form)

**7775589-001**

**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.)

ELITE GUNITE, 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.)

PLANT CITY FACILITY

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

Street Address: 2614 US Hwy 92 E

City: PLANT CITY

County: HILLSBOROUGH

Zip Code: 33566

**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: Mr. Carel-Johan Bakkes, President

Owner/Authorized Representative Mailing Address

Organization/Firm: ELITE GUNITE, LLC

Street Address: 3888 WHISTLEWOOD CR.

City: LAKELAND

County: POLK

Zip Code: 33811

Owner/Authorized Representative Telephone Numbers

Telephone: (813) 997-1410

Fax: (863) 701-7624

Cell phone (optional): (813) 763-3996

**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

Facility Contact Mailing Address

Organization/Firm: SAME

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone: SAME

Fax:

Cell phone (optional):

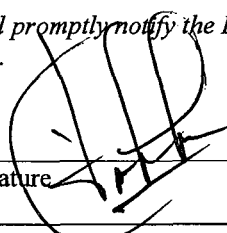
**Owner/Authorized Representative Statement**

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

4/24/09

**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.

Application of water, chemicals or other dust suppressants as necessary to unpaved roads, yards, open stockpiles and similar activities.

Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.

Landscaping or planting of vegetation.

Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.

Confining abrasive blasting where possible.

Enclosure or covering of conveyor systems.

**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 is the initial registration for one cement storage silo previously unpermitted by Elite Gunitite, LLC at this location. A different silo was previously permitted by a different company at this location (7775378), and that silo is no longer located at this site. Elite Gunitite, LLC leases the site for its operations at this facility.

This facility stores cement in a silo. Cement is unloaded from the silo to trucks which store the cement in a dry condition for transport to construction sites where cement is mixed on the truck with water and other ingredients for gunitite application at the construction site.

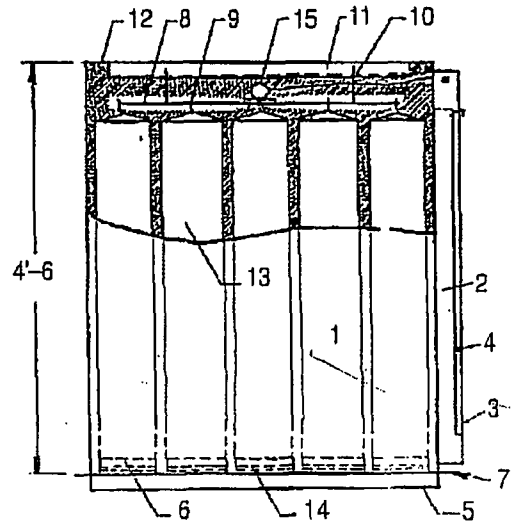
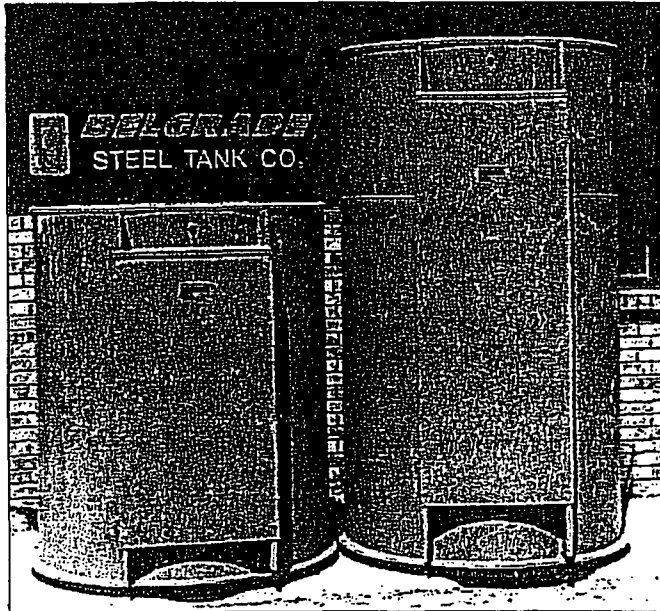
This is a used, relocatable, silo manufactured by Belgrade Steel Tank ("Belgrade"). This is a 270 barrel Belgrade silo (4 cu. ft./barrel) with a 7 inch auger. Emissions from the silo are controlled by a Belgrade "Belle" Style Dust House with a total filter area of 150 square feet, located atop the silo. A copy of the filter specifications is attached. Note: The bags are agitated manually to clean the bags after each cement tanker truck load of cement is loaded to the silo. The silo was manufactured with the capability for an air powered vibrator to clean the bags, however this function is not normally used.

**CONTROL DEVICE  
INFORMATION**



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

## “Belle” Style Dust House



**SQUARE FT.  
BAG AREA**                      **CAP. CEMENT**

150	375 C.F.M.
225	675 C.F.M.

Parts List	150 Sq. Ft.	225 Sq. Ft.
1. Housing	4'6" x 10' x 14 Ga.	6'6" x 10' x 14 Ga.
2. Door Frame	4'4" x 4 1/2" x 12 Ga.	6'4" x 4 1/2" x 12 Ga.
3. Door Frame Screw (2)	21" x 4 3/4" x 12 Ga.	same
4. Door	42" x 24" x 14 Ga.	60" x 24" x 14 Ga.
5. Mating Flange	2" x 2" x 3/16 Angle 44" Diameter	same
6. Sock Holders	8" Diameter - 18 Pcs.	same
7. Base	48" Dia. x 10 Ga.	same
8. Shaker Plate	36" Dia. x 12 Ga.	same
9. Open Eye Bolt	1/4" x 3" - 18 Pcs.	same
10. Suspension Bolts (4)	3/8" x 5" Hex	same
11. Suspension Bar Ass'm	Angle Iron Support	same
12. Cover	47" Dia. x 14 Ga.	same
13. Polyester Socks	(18) 4' x 8" Dia.	(18) 6' x 8" Dia.
14. Band Clamps	18 Required	same
15. Vibrator	VS 190	same
Opt: Single Phase Electric Vibrator		

“Belle” Filter Stock Specifications	
Style	PE 37
Fiber	100% Polyester
Weight	9 oz./Sq. Yd.
Construction	Spun/Spun
Count	100W x 60F
Air Permeability	20-30 C.F.M.
Mullen Burst	500 PSI
Tensile Strength	Warp Direction 300# Fill Direction 275#
Thermal Stability	2% Max. 300 Degrees F
Max Operating Temp	275 Degrees F
Efficiency	99.99%

*Arr Consumption - 8 CFM  
@ 80 psi*

The dust house is equipped with either an air powered or electric powered vibrator used for the cleaning of the bags. If air powered, connect air supply line to the port located on center above the door, and supply the vibrator with 80 psi oiled or non-oiled air. If electric powered, reconnect power cord which exits the top side of dust house to the control box supplied. Operate vibration for approx. 5-10 minutes after each load of material has been blown in.

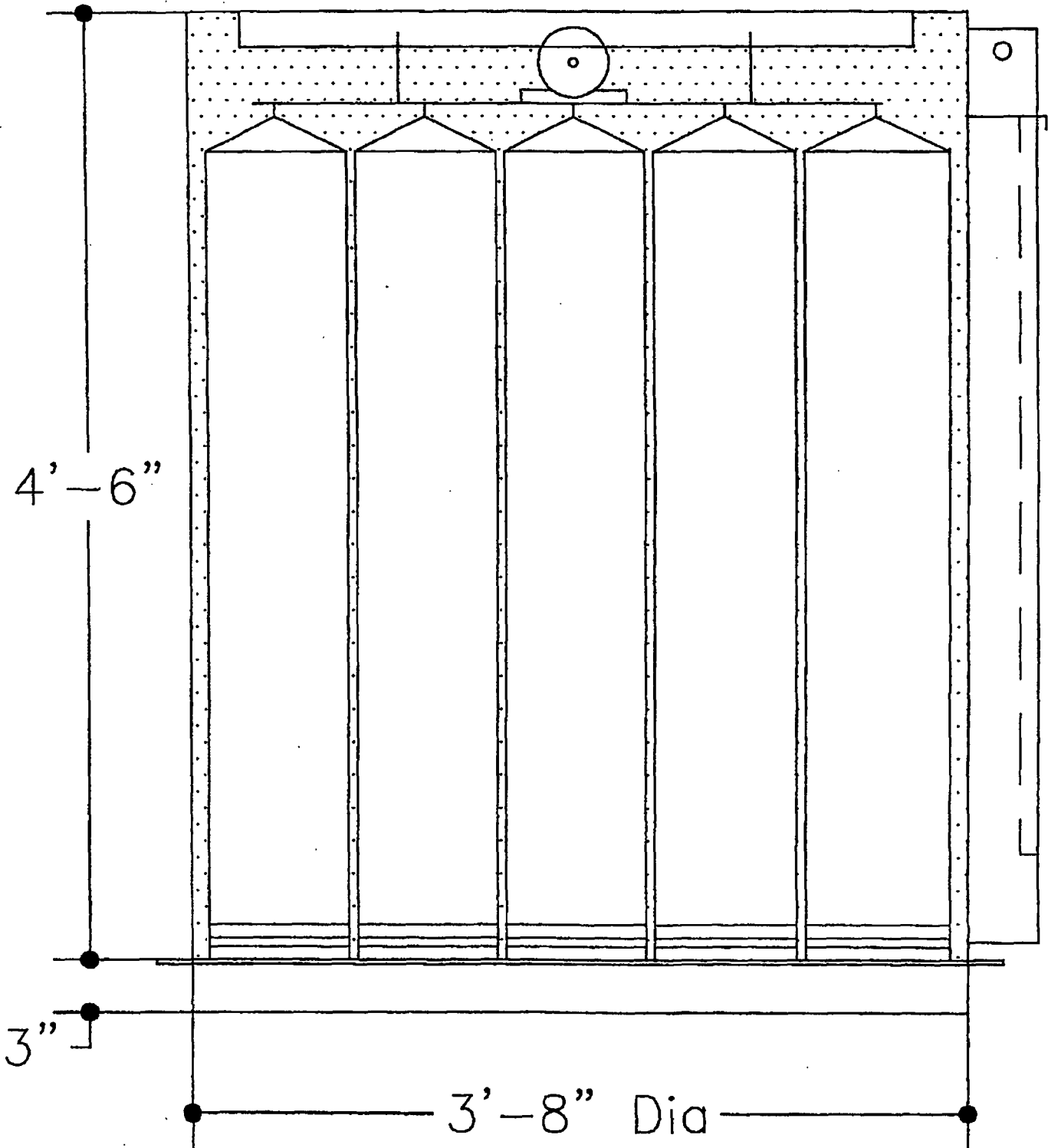
## FABRIC FILTERS

<b>Point Number (from flow diagram)</b>		<b>Manufacturer &amp; Model No. (if available)</b> Belgrade Steel Tank Co. - Belle 150		
<b>Name of Abatement Device</b> Belle 150 Dust House		<b>Type of Particulate Controlled</b> Cement Dust		
<b>GAS STREAM CHARACTERISTICS</b>				
<b>Flow Rate (acfm)</b>		<b>Gas Stream Temperature (°F)</b>		<b>Particulate Grain Loading (grain/scf)</b>
<b>Design Maximum</b> 375	<b>Average Expected</b> 375	Ambient		Inlet N/A
				Outlet 0.01
<b>Pressure Drop</b> (in H <sub>2</sub> O) 5"		<b>Water Vapor Content of Effluent Stream (lb water/lb dry air)</b> Ambient		<b>Fan Requirements</b> (hp)                      (cubic ft/min) N/A                      N/A
<b>PARTICULATE DISTRIBUTION</b> (by weight)				
<b>Micron Range</b>		<b>Inlet</b>		<b>Outlet</b>
0.0 - 0.5		0%		99.98%
0.5 - 1.0		3%		0.02%
1.0 - 5.0		17%		0.00%
5.0 - 10.0		18%		0.00%
10.0 - 20.0		21%		0.00%
over 20.0		41%		0.00%
<b>FILTER CHARACTERISTICS</b>				
<b>Filtering Velocity</b> (acfm/sq ft of cloth) 2.5	<b>Bag Diameter</b> (inches) 8"	<b>Bag Length</b> (inches) 48"	<b>Number of Bags</b> 18	<b>Number of Compartments</b> in Baghouse 1
<b>Bag rows will be:</b> Staggered			<b>Walkways will be provided between banks of bags:</b> No	
<b>Filtering Material:</b> PE 37 100% Polyester 9oz.				
<b>Describe Bag Cleaning Method and Cycle:</b>			Air Vibrator Shaker	
<b>Capital Installed Cost:</b>		\$1,900	<b>Annual Operating Cost:</b> \$50	

Belgrade Steel Tank

Standard 150 SQ FT  
Dust House uses 48" bags

225 SQ FT = 6'-6" OAH  
uses 72" long bags





# Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563 □(813) 752-5014, Fax (813) 752-2475

April 24, 2009

FDEP  
Receipts  
P. O. Box 3070  
Tallahassee, Florida 32315-3070

RECEIVED

APR 29 2009

Bureau of Air Monitoring  
& Mobile Sources

Re: Air General Permit Registration for "Concrete Batching Plant"  
One (1) Cement Silo  
Facility Location: Elite Gunite, LLC, 2614 US Hwy 92 E, Plant City, FL 33566

Ladies and Gentlemen:

On behalf of Elite Gunite, LLC, Southern Environmental Sciences, Inc. (SES) is pleased to submit the enclosed registration form with attached information for the above referenced existing, previously unpermitted, cement silo. Also enclosed is the \$100.00 fee check.

If you have any questions concerning the permit application please call at your convenience.

Very Truly Yours,

SOUTHERN ENVIRONMENTAL  
SCIENCES, INC.



Lynn Robinson, P.E.  
Permitting Manager

LFR/cb

Encl: AG Form package w/ \$100.00 fee check  
c: Carel-Johan ("C.J.") Bakkes, Elite Gunite, LLC, w/

**AIR GENERAL  
PERMIT REGISTRATION**

**ELITE GUNITE, LLC**

**CONCRETE BATCHING  
FOR GUNITE OPERATIONS**

SES Reference No. 09P195  
Facility ID No.: TBD

Prepared For:

ELITE GUNITE, LLC  
2614 US Hwy 93 E  
Plant City, FL 33566

Prepared By:

SOUTHERN ENVIRONMENTAL  
SCIENCES, INC.  
1204 North Wheeler Street  
Plant City, Florida 33566