

F&A RECEIPT # 746507

DATE: 2011 MAY 20

RECEIVED

MAY 25 2011

Bureau of Air Monitoring & Mobile Sources

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)

7775334-002

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.)

Hayward Baker, Inc. (May 2011 renewal of 7775334-001-AG for mobile CBP; expiration date: 6/23/2011.)

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.)

Mobile Concrete Mixer - 7775334 (Stored at Hayward Baker headquarters, 6850 Benjamin Rd., Tampa, FL 33634 unless mobilized to job sites.)

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

Street Address: 6850 Benjamin Road

City: Tampa

County: Hillsborough

Zip Code: 33634 -4416

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

N/A

**Owner/Authorized Representative**

<u>Name and Position Title</u> (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.) Print Name and Title: Mr. Dean Elliott, Operations Manager		
<u>Owner/Authorized Representative Mailing Address</u> Organization/Firm: Hayward Baker, Inc. Street Address: 6850 Benjamin Road City: Tampa                                      County: Hillsborough                                      Zip Code: 33634		
<u>Owner/Authorized Representative Telephone Numbers</u> Telephone: (813) 884-3441                                      Fax: (813) 884-3820 Cell phone (optional): (813) 299-3413		

**Facility Contact (If different from Owner/Authorized Representative)**


<u>Name and Position Title</u> (Plant manager or person to be contacted regarding day-to-day operations at the facility.) Print Name and Title: Same as above.		
<u>Facility Contact Mailing Address</u> Organization/Firm: Street Address: City:    County:    Zip Code:		
<u>Facility Contact Telephone Numbers</u> 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

\_\_\_\_\_  
 5-19-11  
 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.

**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 May 2011 re-registration is for the renewal of Permit No. 7775334-001-AG (expiration date: 6/23/2011) for Hayward Baker, Inc.

The facility is a relocatable/mobile concrete mixer and associated cement storage silo to produce concrete at job sites for specific on-site needs. The Belgrade Seel Tank Company, cement storage silo is equipped with a Belgrade silo-top baghouse.

Cement is loaded into the storage silo pneumatically through a hose from a bulk delivery tanker truck. The baghouse controls particulate matter (dust) emissions associated with the air displaced from the silo during loading of cement into the silo.

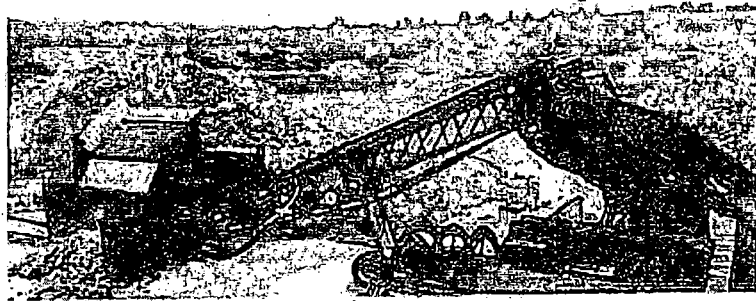
From the silo, cement is loaded to the weigh batcher by a screw auger. This system is closed and does not generate dust.

The correct weight of cement is then fed from the weigh batcher to the mixer, which contains water, then thoroughly mixed and removed for use at the job site.

Depending on the type of job, sand/aggregate is added to the mixture from a sand hopper.

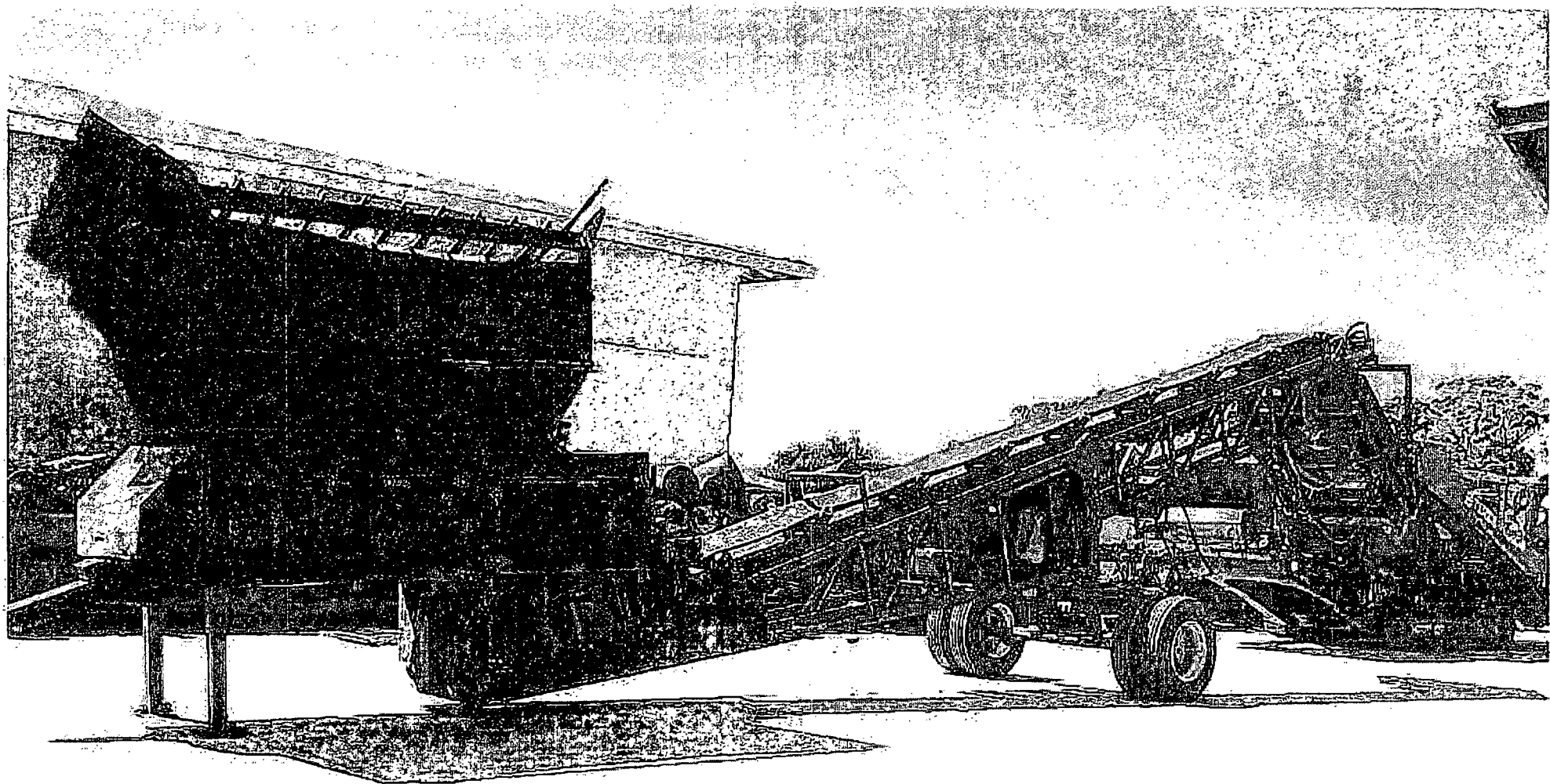
See attached equipment information.

# MARK II EG

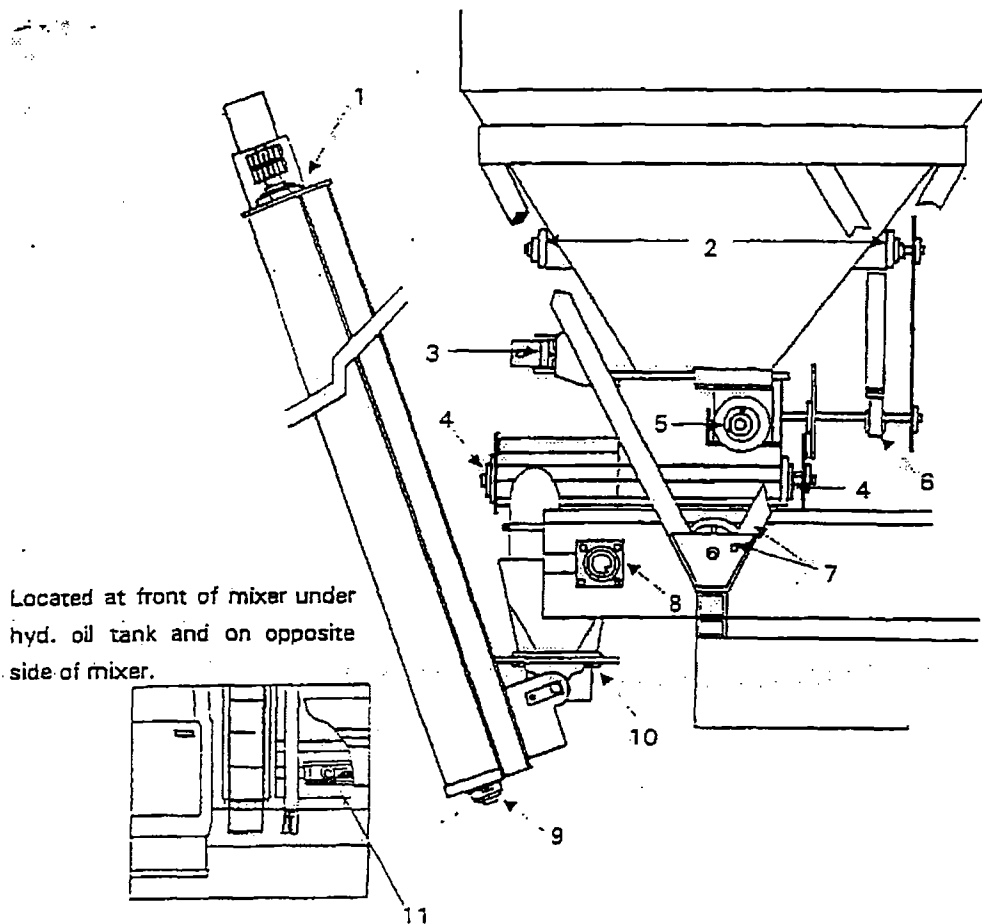


## PRODUCT PART LISTINGS

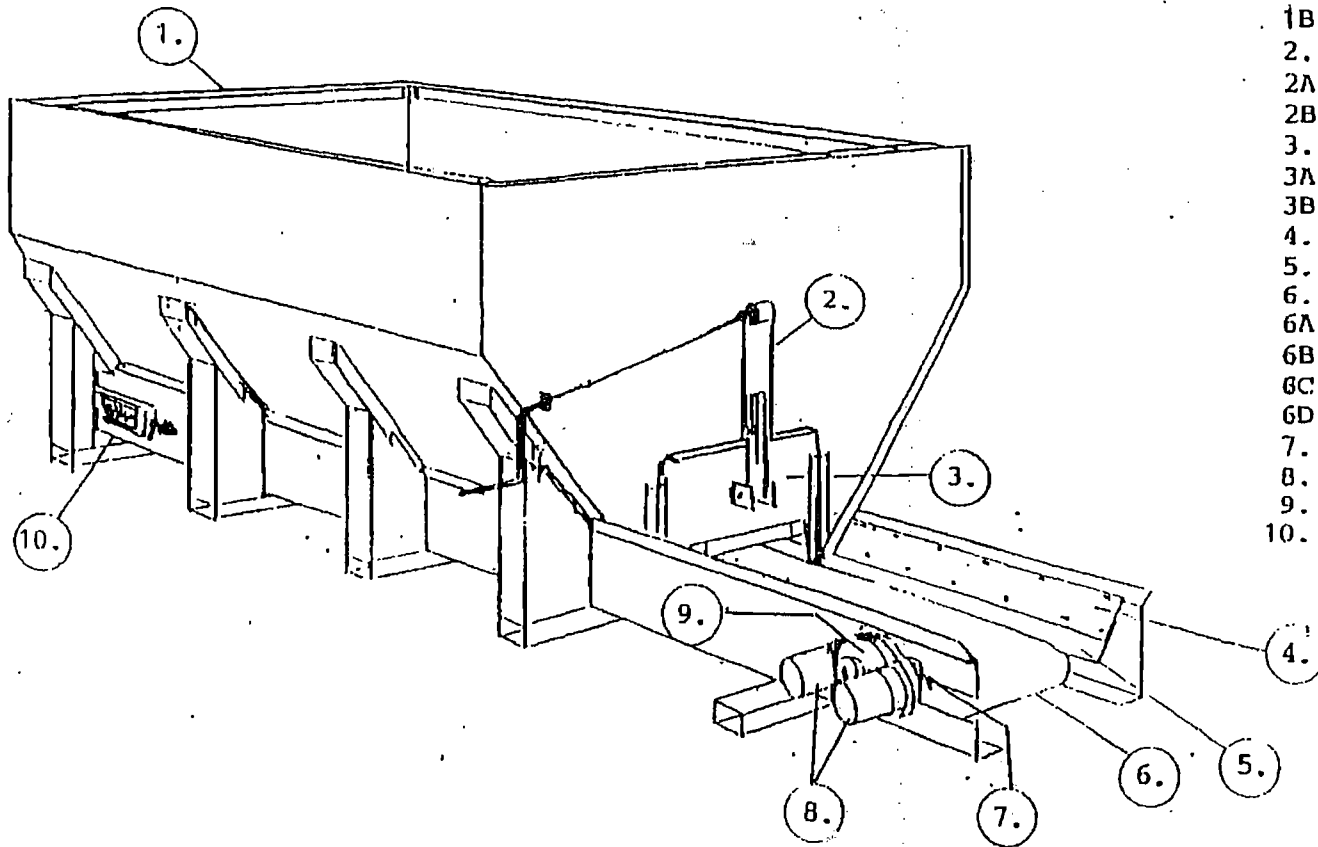
SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



### GREASE FITTING LOCATION CHART

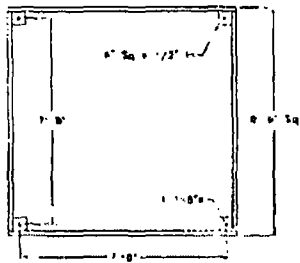


FREQUENCY CHART	2 - 3 TIMES DAILY	DAILY	EVERY 2 - 3 DAYS
1. TOP AUGER BEARING **	X		
2. AGITATOR BEARING			X
3. CLEVIS HITCH			X
4. METERING WHEEL AUGER BEARING		X	
5. CLUTCH HUB			X
6. METERING WHEEL PILLOW BLOCK			X
7. ADMIX SHAFT (TUBE TYPE) INSIDE & OUTSIDE BEARINGS			X
8. CONVEYOR BEARINGS (2 BEARINGS / 1 EA. SIDE)		X	
9. BOTTOM AUGER BEARING **	X	X	X
10. BOWL RINGS			X
TOP 3 PLACES			X
CENTER 2 PLACES			X
BOTTOM 3 PLACES			X
11. FRONT CONVEYOR TAKE-UP			X
** AUGER BEARINGS SHOULD BE GREASED TWO OR THREE TIMES DAILY, DEPENDING ON USAGE, AND AT THE END OF EACH DAY WITH AUGER ROTATION AT MINIMUM RPM.			

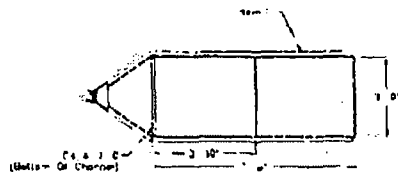


NO.	DESCRIPTION	PART NO.
1	AGGREGATE BIN	SP0022
1A.	PAN	SP0023
1B.	PAN PLASTIC	700251
2.	HYD. GATE JACK	700107
2A.	HANDLE	700107A
2B.	RULE	700221
3.	30" GATE	700235A
3A.	RT. GATE GUIDE	700229
3B.	LT. GATE GUIDE	700230
4.	SIDE WIRE/RETAIN	700258
5.	SIDE WIPE	700142
6.	30" CONV. 5H/141L	700118A
6A.	RUBBER 30"	700118
6B.	BOLT-ON SPLICE	700141
6C.	FR. CONV. SHAFT	700134A
6D.	RR. CONV. SHAFT	700135A
7.	RR. CONV. BEARING	700108
8.	1105 HYD. MOTOR	100105
9.	2HOLE GEARBOX	700100
10.	CONV. TAKE-UP	700110

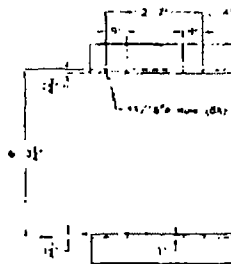




Plan Base Plate View

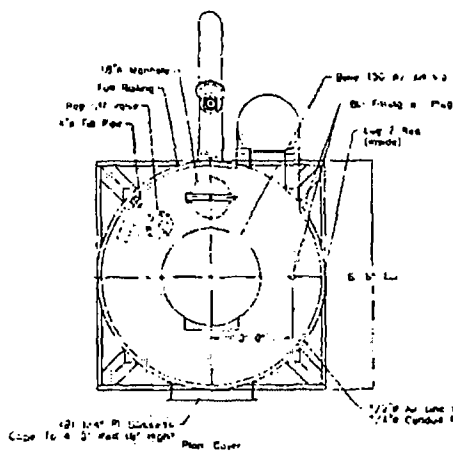


Plan Burner

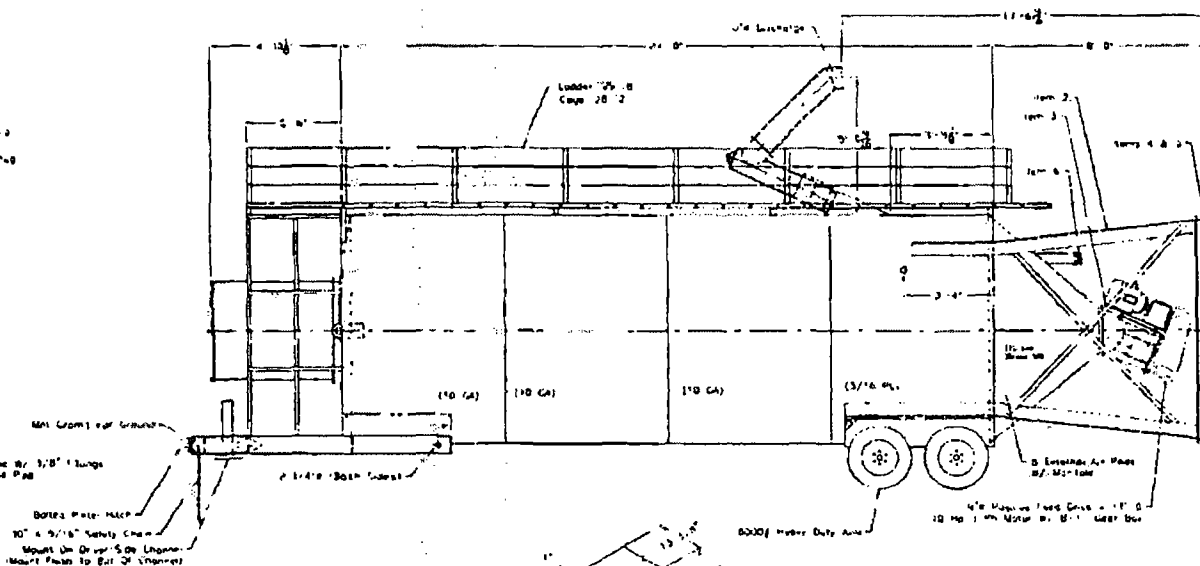


Item	Material List	Qty
1	2" x 4" x 10'-0"	2
2	1/2" x 1/2" x 3/8" x 8" D HOLE 8" L	4
3	1/2" x 2" x 1/4" x 9" L	8
4	2" x 2" x 1/4"	4
5	2" x 2" x 1/4"	2
6	1/2" x 1/2" Pipe w/ Alum Adapter 2 1/2" L	1
7	8000# Heavy Duty Axle	2
8	1/4" x 1'-0"	1

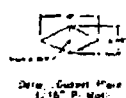
GENERAL NOTE:  
 1" Panel Outlets (Pages 1-10-010)  
 2" x 1/2" x 1/2" Panel Top, 2" x 1/2" Panel  
 2" x 1/2" x 1/2" Panel Top



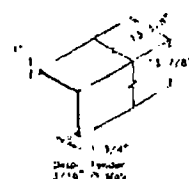
Plan Cover



1/2" x 1/2" Panel Top  
 2" x 1/2" Panel Top  
 1/2" x 1/2" Panel Top  
 1/2" x 1/2" Panel Top  
 1/2" x 1/2" Panel Top  
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 1/2" x 1/2" Panel Top  
 1/2" x 1/2" Panel Top



Detail Burner Plate 1/2" x 1/2" Panel Top



Detail Burner Plate 1/2" x 1/2" Panel Top

Customer Approval of Design and Construction of this Tank

HELGRADE STEEL TANK

300 lbs. Round Portable

DATE: 5/1/70

BY: [Signature]

FOR: [Signature]

APPROVED BY: [Signature]

DATE: 5/1/70

BY: [Signature]

FOR: [Signature]

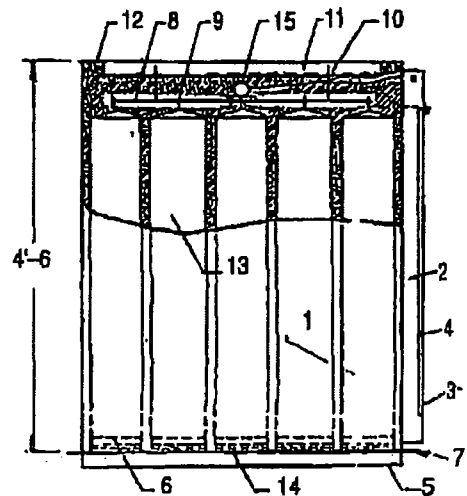
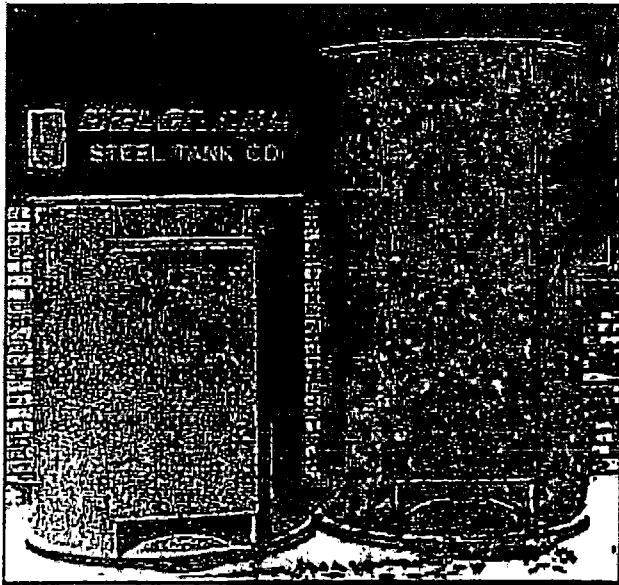
APPROVED BY: [Signature]



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. Matting 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 @ 30 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.

# Southern Environmental Sciences, Inc.

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

May 19, 2011 Via Next Day Delivery

FDEP  
3800 COMMONWEALTH BOULEVARD, MS-77  
Tallahassee, Florida  
32399  
Phone: (850) 921-9586

Re: Air General Permit Re-Registration for Concrete Batching Plant (CBP)  
Current Permit No. 7775334-001-AG  
Hayward Baker, Inc.  
Headquarters Location: 6850 Benjamin Road, Tampa, FL 33634

Gentlemen:

On behalf of Hayward Baker, Inc., Southern Environmental Sciences, Inc. (SES) is pleased to submit the enclosed re-registration FORM for the above referenced existing, previously permitted facility. Also enclosed is the \$100.00 fee check.

If you have any questions concerning the permit application please contact me at office phone (813) 752-5014 or email at: [lrobinson@sesfla.com](mailto:lrobinson@sesfla.com).

Sincerely,

SOUTHERN ENVIRONMENTAL  
SCIENCES, INC.



Lynn Robinson, P.E.  
Permitting Manager

Encl: CBP Re-Registration Form and \$100.00 fee check

Cc: Mr. Dean Elliott, Operations manager, Hayward Baker, Inc.,  
Email: [DAElliott@haywardbaker.com](mailto:DAElliott@haywardbaker.com)

SES Project 11P150

FLORIDA DEPARTMENT OF  
NATURAL RESOURCES  
2011 MAY 20 AM 10:30  
FINANCE & ACCOUNTING  
REVENUE