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DEC 22 2011

DIVISION OF AIR RESOURCE MANAGEMENT

CONCRETE BATCHING PLANTS  
AIR GENERAL PERMIT  
RE-REGISTRATION INFORMATION

Facility Identification Number - If known (seven digit number)

**1050348-003-AG: Re-registration for this permit, which will expire 01/26/2012.**

**1050348-004**

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.
- 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 - N/A**

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.)

**T. Bower Enterprises, Inc.**

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.)

**T. Bower Enterprises, Inc.**

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

Street Address: **111 Appaloosa Hill Rd.**

City: **Polk City**

County: **Polk**

Zip Code: **33868-8928**

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

**N/A**

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**1050348**

**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: **Todd L. Bower, Owner (alternate: Cathy Bower, Owner)**

Facility Contact Telephone Numbers

Telephone: **(863) 984-3050**

Cell phone: *(863) 287-9101*

E-mail: **todd21@verizon.net**

Fax: **(813) 984-2093**

*Cathy (863) 287-9102*

Facility Contact Mailing Address

Organization/Firm: **T. Bower Enterprises, Inc.**

Mailing Address: **1824 Pearce Rd.**

City: **Polk City**

County: **Polk**

Zip Code: **33868**

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

Name and Position Title

Print Name and Title: **Mr. Lynn Robinson, P.E., Permitting Manager**

Other Contact/Representative Telephone Numbers

Telephone: **(813) 752-5014**

Cell phone: **(813) 957-8804**

E-mail: **lrobinson@sesfla.com**

Fax: **(813) 752-2475**

Other Contact/Representative Mailing Address

Organization/Firm: **Southern Environmental Sciences, Inc.**

Street Address: **1204 North Wheeler Street**

City: **Plant City**

County: **FL**

Zip Code: **33563**

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1050348

**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
Silo compartment	Cement	Vent Filter	Belgrade	Not available
Silo compartment	Fly Ash	Vent Filter	Belgrade	Not available

\* 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.

**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 type of concrete product(s) manufactured, all air pollutant-emitting processes, and identify any air pollution control measures used. Mobile source equipment information is not needed (eg.: trucks, bulldozers, front-end loaders, etc.)

**The facility loads dry components into trucks, then water is added to the truck mixer for the final concrete product. The plant has a 2-compartment silo for storage of cement and fly ash. Each of the two (2) compartments is equipped with its own Belgrade silo vent dust filter. A spray bar applies water to the truck loading area. Water sprays are used on aggregate storage piles.**

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**VISIBLE EMISSIONS TESTS  
2010**

# Southern Environmental Sciences, Inc.

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

December 15, 2010

Ms. Danielle Henry  
Environmental Compliance Manager  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Southwest District Air Section  
13051 N Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Submitted via email: [Danielle.D.Henry@dep.state.fl.us](mailto:Danielle.D.Henry@dep.state.fl.us)

Re: Owner/Company: Bower Enterprises, Inc.  
Site name: Bower Enterprises, Inc.  
Address: 111 Appaloosa Hill Road, Polk City, Florida 33868  
Facility ID No.: 1050348

Ms. Henry:

Enclosed is one (1) copy of each of the two (2) visible emissions evaluations performed on the above referenced source on December 15, 2010. The results of the testing were well within the allowable limits established by the permit for this facility.

Please feel free to call if you have any questions concerning the results.

Regards,

SOUTHERN ENVIRONMENTAL  
SCIENCES, INC.



Dale A. Wingler  
Environmental Specialist

cc: Ms. Cathy Bower, Bower Enterprises, Inc.

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
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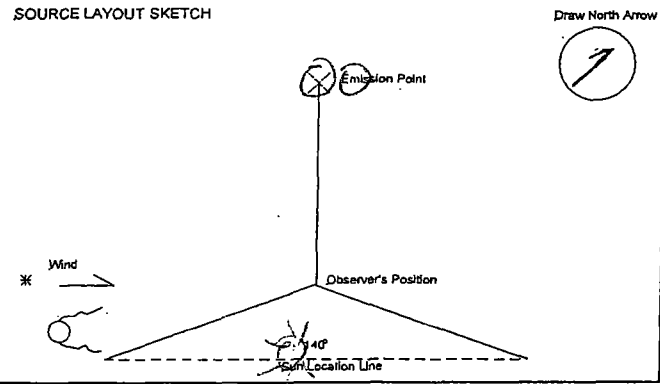
# Southern Environmental Sciences, Inc.

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

## VISIBLE EMISSIONS EVALUATION

COMPANY <i>BOWEN ENTERPRISES</i>	
UNIT <i>CONCRETE BATCH PLANT</i>	
ADDRESS <i>111 APALCOOSA Hill RD. POLK CITY FL 33868</i>	
PERMIT NO. <i>1050348-003-AG</i>	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. <i>1050348</i>	EU NO. <i>001</i>
PROCESS RATE <i>25TPH</i>	PERMITTED RATE <i>25TPH</i>
PROCESS EQUIPMENT <i>CEMENT SILO</i>	
CONTROL EQUIPMENT <i>BATHHOUSE</i>	
OPERATING MODE <i>LOADING @ 8PSI</i>	AMBIENT TEMP. (°F) START <i>32</i> STOP <i>35</i>
HEIGHT ABOVE GROUND LEVEL START <i>50'</i> STOP <i>SAME</i>	HEIGHT RELATIVE TO OBSERVER START <i>~50'</i> STOP <i>~50'</i>
DISTANCE FROM OBSERVER START <i>200'</i> STOP <i>200'</i>	DIRECTION FROM OBSERVER START <i>290°</i> STOP <i>290°</i>
EMISSION COLOR <i>NONE</i>	PLUME TYPE CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/> <i>N/A</i>
WATER DROPLETS PRESENT? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/> <i>N/A</i>
POINT IN PLUME AT WHICH OPACITY WAS DETERMINED START <i>BATHHOUSE EXIT</i> STOP <i>SAME</i>	
DESCRIBE BACKGROUND START <i>SKY</i> STOP <i>SKY</i>	
BACKGROUND COLOR START <i>Blue</i> STOP <i>SAME</i>	SKY CONDITIONS START <i>Clear</i> STOP <i>SAME</i>
WIND SPEED (MPH) START <i>2</i> STOP <i>SAME</i>	WIND DIRECTION START <i>CalM</i> STOP <i>CalM</i>
AVERAGE OPACITY FOR HIGHEST PERIOD <i>0%</i>	RANGE OF OPACITY READINGS MIN. <i>0%</i> MAX. <i>0%</i>

OBSERVATION DATE <i>12/15/10</i>					START TIME <i>0845</i>					STOP TIME <i>0915</i>				
SEC MIN					SEC MIN									
	0	15	30	45		0	15	30	45					
0	0	0	0	0	30									
1	0	0	0	0	31									
2	0	0	0	0	32									
3	0	0	0	0	33									
4	0	0	0	0	34									
5	0	0	0	0	35									
6	0	0	0	0	36									
7	0	0	0	0	37									
8	0	0	0	0	38									
9	0	0	0	0	39									
10	0	0	0	0	40									
11	0	0	0	0	41									
12	0	0	0	0	42									
13	0	0	0	0	43									
14	0	0	0	0	44									
15	0	0	0	0	45									
16	0	0	0	0	46									
17	0	0	0	0	47									
18	0	0	0	0	48									
19	0	0	0	0	49									
20	0	0	0	0	50									
21	0	0	0	0	51									
22	0	0	0	0	52									
23	0	0	0	0	53									
24	0	0	0	0	54									
25	0	0	0	0	55									
26	0	0	0	0	56									
27	0	0	0	0	57									
28	0	0	0	0	58									
29	0	0	0	0	59									



**AEROMET ENGINEERING INC. CERTIFIES THAT**

**Neil Currie**

*has qualified as a CERTIFIED VISIBLE  
EMISSIONS READER  
per Title 40 Part 60 Appendix A USEPA Method 9*

Issued: 8/3/10 Expires: 2/3/11

*Neil Currie*  
Questions? Call 573.636.6393

Comments

*CEMENT*

I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:

Signature: *Neil Currie* Title: *Pross.*

# Southern Environmental Sciences, Inc.

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

## VISIBLE EMISSIONS EVALUATION

COMPANY <i>Bowser Enterprises</i>	
UNIT <i>CONCRETE BATCH PLANT</i>	
ADDRESS <i>111 APPALOSA HILL RD.</i>	
<i>POLK CITY FL. 33868</i>	

PERMIT NO. <i>1050348-003-AL</i>	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. <i>1050348</i>	EU NO. <i>002</i>
PROCESS RATE <i>~22 TPH</i>	PERMITTED RATE <i>25 TPH</i>

PROCESS EQUIPMENT *FLYASH SILO*

CONTROL EQUIPMENT *BAGHOUSE*

OPERATING MODE <i>LOADING @ 8PM</i>	AMBIENT TEMP. (°F) START <i>30</i> STOP <i>32</i>
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HEIGHT ABOVE GROUND LEVEL START <i>50'</i> STOP <i>50'</i>	HEIGHT RELATIVE TO OBSERVER START <i>~50'</i> STOP <i>~50'</i>
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DISTANCE FROM OBSERVER START <i>~200'</i> STOP <i>~200'</i>	DIRECTION FROM OBSERVER START <i>290</i> STOP <i>290</i>
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EMISSION COLOR <i>None</i>	PLUME TYPE CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/> <i>n/a</i>
-------------------------------	---

WATER DROPLETS PRESENT? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/> <i>n/a</i>
--	--

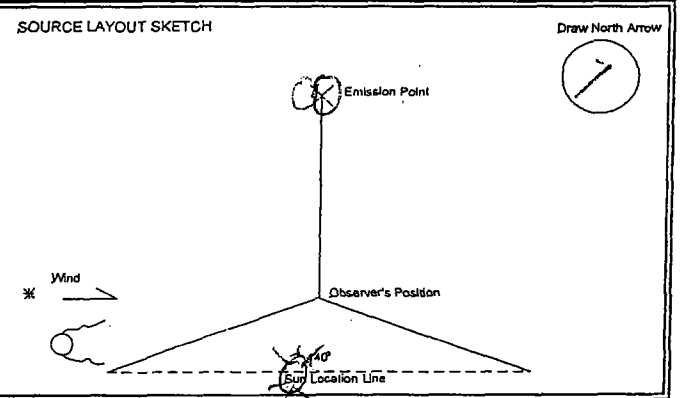
POINT IN PLUME AT WHICH OPACITY WAS DETERMINED  
START *BAGHOUSE VENT* STOP *Same*

DESCRIBE BACKGROUND  
START *SKY* STOP *SKY*

BACKGROUND COLOR START <i>Blue</i> STOP <i>Blue</i>	SKY CONDITIONS START <i>Clear</i> STOP <i>Same</i>
--	---

WIND SPEED (MPH) START <i>0-2</i> STOP <i>Same</i>	WIND DIRECTION START <i>Calm</i> STOP <i>Calm</i>
---	--

AVERAGE OPACITY FOR HIGHEST PERIOD <i>0%</i>	RANGE OF OPACITY READINGS MIN. <i>0%</i> MAX. <i>0%</i>
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Comments

*FLY ASH*

OBSERVATION DATE <i>12/15/10</i>	START TIME <i>0810</i>	STOP TIME <i>0840</i>
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SEC	MIN				SEC	MIN			
	0	15	30	45		0	15	30	45
0	0	0	0	0	30				
1	0	0	0	0	31				
2	0	0	0	0	32				
3	0	0	0	0	33				
4	0	0	0	0	34				
5	0	0	0	0	35				
6	0	0	0	0	36				
7	0	0	0	0	37				
8	0	0	0	0	38				
9	0	0	0	0	39				
10	0	0	0	0	40				
11	0	0	0	0	41				
12	0	0	0	0	42				
13	0	0	0	0	43				
14	0	0	0	0	44				
15	0	0	0	0	45				
16	0	0	0	0	46				
17	0	0	0	0	47				
18	0	0	0	0	48				
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20	0	0	0	0	50				
21	0	0	0	0	51				
22	0	0	0	0	52				
23	0	0	0	0	53				
24	0	0	0	0	54				
25	0	0	0	0	55				
26	0	0	0	0	56				
27	0	0	0	0	57				
28	0	0	0	0	58				
29	0	0	0	0	59				

**AEROMET ENGINEERING INC. CERTIFIES THAT**

**Neil Currie**

*has qualified as a CERTIFIED VISIBLE EMISSIONS READER*

*per Title 40 Part 60 Appendix A USEPA Method 9*

Issued: 8/3/10 Expires: 2/3/11

*Neil Currie*  
Questions? Call 573.636.6393

I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:

Signature: *Neil Currie* Title *Pres.*

# Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563-2354 □ (813) 752-5014, Fax (813) 752-2475

November 12, 2010

Ms. Danielle Henry  
Environmental Compliance Manager  
FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
Southwest District Air Section  
13051 N. Telecom Parkway  
Temple Terrace, Florida 33637-0926  
via email: [Danielle.D.Henry@dep.state.fl.us](mailto:Danielle.D.Henry@dep.state.fl.us)

Re: Owner/Company: Bower Enterprises, Inc.  
Site Name:  
Cement Storage Silo (EU ID No. 001)  
Flyash Storage Silo (EU ID No. 002)  
Facility ID No.: 1050348

Dear Ms. Henry:

This is to notify your office that Southern Environmental Sciences, Inc. is scheduled to perform visible emissions evaluations at the above referenced facility on December 15, 2010 beginning at approximately 8:00 A.M.

The visible emissions tests will be conducted by a certified observer in accordance with EPA Method 9 to determine permit compliance. I, [mgierke@sesfla.com](mailto:mgierke@sesfla.com), will be the contact person for this testing. The following sources will be tested:

E U No. 001 – Cement Storage Silo  
E U No. 001 – Flyash Storage Silo

If any changes in scheduling become necessary, I will notify your office prior to the testing.

Very truly yours,

SOUTHERN ENVIRONMENTAL  
SCIENCES, INC.

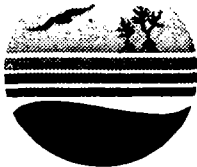
*Mark Gierke*

Mark Gierke, QSTI  
Source Testing Manager

cc: Ms. Cathy Bower, Bower Enterprises (Fax No. 863-984-2093)  
cc: Ms. Rhonda Hughes, FDEP-SW District at [Rhonda.Hughes@dep.state.fl.us](mailto:Rhonda.Hughes@dep.state.fl.us)

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# SOUTHERN ENVIRONMENTAL SCIENCES, INC.

LYNN ROBINSON, P.E.  
Permitting Manager

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Plant City, Florida 33563-2354

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FAX (813) 752-2475  
[www.sesfla.com](http://www.sesfla.com)  
[lrobinson@sesfla.com](mailto:lrobinson@sesfla.com)