

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CONCRETE BATCHING PLANTS  
AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET

RECEIVED

SEP 04 2012

DIVISION OF AIR  
RESOURCE MANAGEMENT

Facility Identification Number - If known (seven digit number)

0690066-004-AG

0690066-005

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**

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

Not Applicable

**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.)

Mack Concrete Industries, Inc.



August 27, 2012

Mr. Greg Gonzales  
GG Environmental Solutions, Inc.  
1430 Sara L. Street  
Kissimmee, FL 34744-2771

Dear Greg Gonzales,

Please be advised that Mr. Greg Knotts is authorized to sign on behalf of Mack Concrete Industries which is a Division of Mack Industries, Inc. located in Astatula, Florida for the permit for the Florida Department of Environmental Protection.

Betsy Mack Nespeca

MACK INDUSTRIES, INC.

President & CEO

2012 AUG 20 PM 1:18  
1011  
1011

**Quality and Service Since 1932**

1321 Industrial Parkway North PO Box 1409 Brunswick, Ohio 44212  
[www.mackconcrete.com](http://www.mackconcrete.com)

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.)

**Mack Concrete Industries, Inc.**

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

Street Address: **23902 County Road 561**

City: **Astatula**

County: **Lake**

Zip Code: **34705**

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

**Not Applicable**

### **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: **Greg Knotts, Agent**

Facility Contact Telephone Numbers

Telephone: **(352) 742-2333**

Fax: **(352) 742-0799**

Cell phone: \_\_\_\_\_

E-mail: **gknotts@MackConcrete.com**

Facility Contact Mailing Address

Organization/Firm: **Mack Concrete Industries, Inc.**

Mailing Address: **23902 County Road 561**

City: **Astatula**

County: **Lake**

Zip Code: **34705**

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

Name and Position Title

Print Name and Title: **Greg Knotts, Agent**

Other Contact/Representative Telephone Numbers

Telephone: **(352) 742-2333**

Fax: **(352) 742-0799**

Cell phone: \_\_\_\_\_

E-mail: **gknotts@MackConcrete.com**

**Owner/Authorized Representative Statement**

*I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Notification Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this notification are true, accurate and complete. Further, I agree to operate and maintain the facility and any air pollution control equipment described in this notification so as to comply with all applicable standards and requirements 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 notification.*

*Breg Mott*  
\_\_\_\_\_  
Signature

*8-23-12*  
\_\_\_\_\_  
Date

**Government Facility Code (check only one)**

- Facility not owned or operated by a federal, state, or local government.**
- Facility owned or operated by the federal government.**
- Facility owned or operated by the state.**
- Facility owned or operated by the county.**
- Facility owned or operated by the municipality.**
- Facility owned or operated by a water management district.**



\* 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.)

**See Facility Comments below (page 7)**

### **Helpful Definitions.**

**"Emissions Unit"** - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

**"Facility"** - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

**"Owner" or "Operator"** - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

**"Relocatable Facility"** - A facility such as, but not limited to, an asphalt plant, portable power generator, or concrete batch plant, which is designed to be physically moved to, and operated on, different sites by being wholly or partially dismantled and re-erected in essentially the same configuration. It shall not be operable while in transit.

**"Unconfined Emissions"** - Emissions which escape and become airborne from unenclosed operations or which are emitted into the atmosphere without being conducted through a stack.

2012 AUG 30 PM 1:18

## Facility Comments

Process has not changed since last submittal.

Aggregate and sand stock piles are located within three sided cement walled wind breaks. A water spray system is utilized on the stock piles to maintain a minimum moisture content of 8 to 12 % in accordance with D.O.T. standards. As a results, materials being wet emit no fugitive particulate matter.

The limited roadways and yard areas are maintained and sprayed by a water truck as necessary to control any fugitive particulate emissions resulting from the wind and intermittent vehicular traffic. Periodic accumulated particulate matter is collected and removed as necessary.

The site and various equipment on the site are maintained under a rigorous routine maintenance system to allow operational efficiency.

The two cement and one fly ash storage silos (a total of three silos) are each equipped with separate top of silo mounted baghouses to collect and control periodically generated particulate laden air during the pneumatic loading of the silos by a tanker truck.

## **Emissions Unit(s) Description**

The purpose of this submittal is to renew existing FDEP Permit No. 0690066-004-AG and obtain a five-year Air General Operating Permit for a concrete batching operation, which produces pre-stress concrete products. The operation consists of two 11' diameter storage silos (1-cement and 1-fly ash) each equipped with a C&W Manufacturing Model #CP-310-478 dust collector; and one 13' diameter cement storage silo equipped with a C&W Manufacturing Model # CP-LPR-8-P dust collector (a total of three silos). Each collector is rated at 99.9% efficiency to collect and control periodically generated particulate laden air during the pneumatic loading of the silos by a tanker truck.

Sand/aggregate materials utilized in the mix to make the concrete products are stored on site in separate storage areas composed of wind break cement sided walls to protect the materials from being dried out by the wind. The stockpiles are maintained by a water sprinkling system in accordance to D.O.T standards (maintaining a moisture content of approximately 8 to 12 %). As a result, there are no visible fugitive emissions from the storage or movement of these materials. The moist sand and aggregate materials are periodically removed from their storage areas via front-end loaders and transferred into a ground level feed hopper then onto a conveyor belt which move the materials to elevated weigh hopper storage bins. The materials are then dispersed as necessary onto a belt conveyor and directed to a 2-cubic yard mix hopper (equipped with a water spray ring and a rubber seal enclosing the mix hopper). The materials are combined with cement, fly ash product (dispersed from separate elevated storage silos via enclosed chutes), and water (in accordance with job specifications) to form a concrete mix. The finished concrete mix is then directed from the mix hopper (via an enclosed chute) and poured into various molds to make the pre-stress concrete products.

Please see the following Attachments:

Attachment 1: Copy of August 21, 2012 DEP Method 9 compliance testing performed on the baghouse exhaust vents during the pneumatic loading of cement storage silo #1, cement storage silo #2, and the fly ash storage silo.

Attachment 2: Copy of Current FDEP Permit No. 0690066-004-AG



August 24, 2012

Ms. Wanda Parker  
Supervisor FDEP Air Compliance Section  
Division of Air Resource Management  
Florida Department of Environmental Protection  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803-3767

RECEIVED

AUG 24 2012

DEP Central District

GGESI  
Receipt Copy

**Mack Concrete Industries, Inc.**  
**FDEP Permit No. 0690066-004-AG**  
**Concrete Batch Plant**

Dear Ms. Wanda;

This correspondence is being submitted at the request of our client, Mack Concrete Industries, Inc. (MCII).

Please find attached a copy of the results from the FDEP Method 9 compliance testing performed on August 21, 2012 on the subject permitted source. (Testing performed in accordance with our July 31, 2012 "E-Mails" to both you and Garry Kuberski).

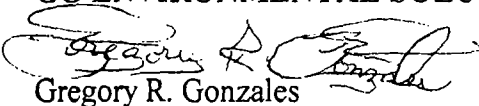
The testing was conducted at the MCII facility located at 23902 County Road 561; Astatula, Florida and performed on the baghouse exhaust vents from two (2) cement storage silos and one (1) fly ash storage silo. The tanker pneumatic unloading pressure was between 9 to 10 psi during the loading of the storage silos. The highest six-minute opacity during the test period was 0 %, which is within the permit limit of <5% opacity.

Please note I contacted Eastern Technical Associates this morning and was told that the VE certificates from the Orlando smoke school held on August 8, 2012 will be "E-Mailed" early next week. I will provide you a copy for your file upon my receipt.

Should you have any questions, please do not hesitate to call Mr. Larry Taylor at the facility (352-742-2333) or myself at (407) 932-0409 or my "E-Mail" address: [ggonzales5@cfl.rr.com](mailto:ggonzales5@cfl.rr.com).

Sincerely,

**GG ENVIRONMENTAL SOLUTIONS, INC.**

  
Gregory R. Gonzales  
President  
1430 Sara L. Street  
Kissimmee, Florida 34744-2771

cc: Larry Taylor - Mack Concrete Industries, Inc.  
Garry Kuberski - FDEP Air Compliance Section

Enc: a/s

GRG\C: Projectfiles\MackConcreteIndustries\2012\operatingpermit\deptstletterpt08\_24\_12.doc



Home Forecast Radar & Maps News & Video Hurricane Social Severe Weather Your Day Starts Here

Now Weekend Extended Forecast Month

1 - 5 of 25 days | All 25 Days

Next 5 days >

Today Aug 21	Tomorrow Aug 22	Thursday Aug 23	Friday Aug 24	Saturday Aug 25
A couple of p.m. t-storms	Clouds and sun with a t-storm	Couple of thunderstorms	A p.m. t-storm possible	A p.m. t-storm possible
86° Lo 74°	89° Lo 73° more	89° Lo 72° more	91° Lo 73° more	91° Lo 75° more

0.7 Inches of Rain on the way

Right Now	Day & Night		Hourly Forecast					Chance of Precipitation	
	Tue 5am	6am	7am	8am	9am	10am	11am	Tue Noon	
Forecast	T-storms	Partly Cloudy	Partly Sunny	Scattered Cloudy	Scattered Cloudy	Scattered Cloudy	Partly Cloudy	Partly Cloudy	
Temp (°F)	75°	75°	76°	76°	78°	79°	82°	83°	
RealFeel®	78°	79°	79°	82°	87°	91°	95°	97°	
Wind (mph)	5 S	5 S	5 S	5 S	6 S	6 SSW	7 SSW	7 SW	
Humidity	89%	88%	87%	92%	87%	83%	77%	73%	
UV Index	0	0	0	1	2	5	7	8	
Cloud Cover	31%	31%	30%	82%	88%	72%	65%	68%	
Dewpoint	72	72	72	73	74	74	74	74	
85°F									
80°F									
75°F									
70°F									
	5am	6am	7am	8am	9am	10am	11am	Noon	

< Previous 8 Hours Next 8 Hours >

Temperature History for August 21

more Historical Data >

	Today	Normal	Record	Aug 21, 2011
High	86°	91°	N/A	94°
Low	74°	74°	N/A	77°

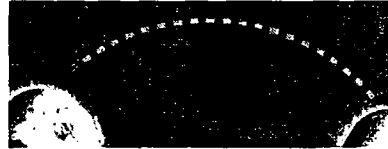
Sunrise/Sunset



7:00 AM 13.0 hours

Moonrise/Moonset

Astronomy >



8:01 PM 10:59 AM 10.8 hours 9:48 PM

Orlando, FL - A thunderstorm this...

Southeast Short-Range Regional Weather Forecast

more >

Severe Weather

There are 30 million lightning strikes hitting the ground in any given year in the United States.



**Animals May Sense Impending Hurricanes, Research Suggests**  
Just before a hurricane approached, researchers witnessed sharks swimming out to deeper water.



**Road Trip Survival: Recognizing Which Clouds Mean Danger**  
Being able to read the clouds for severe weather can help save your life when you're out on the open road.



**The Worst is Yet to Come With the Atlantic Hurricane Season**  
Despite a quiet July in the Atlantic, the AccuWeather.com Long-Range Forecasting team still expects the 2012 Atlantic Hurricane Season to be near normal in terms of the number of named storms.



**Gone in a Flash: Capturing Lightning**  
World-renowned storm chaser Tim Samaras is on a mission to do the never been done: photograph lightning the second it forms.

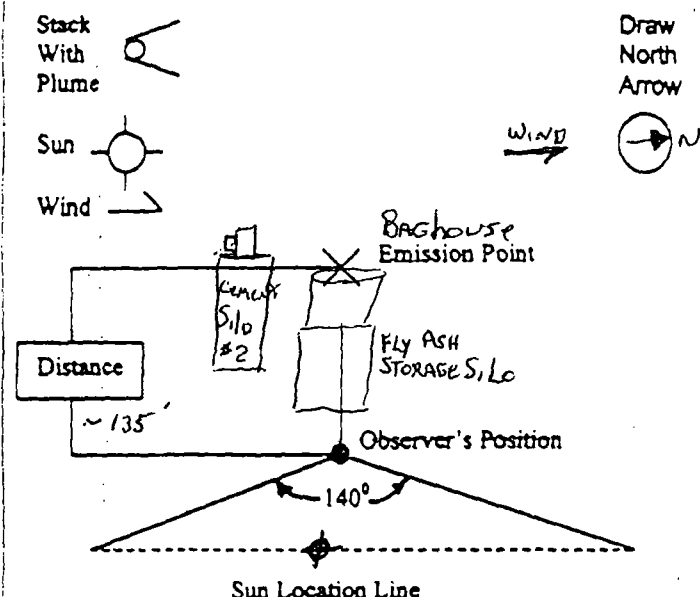


**Lightning Fatalities: Avoid Being One of These Numbers**  
It can happen to anyone; 18 people have been killed by lightning while participating in an outdoor activity so far this year. Learn how to protect yourself in a storm.

more on Severe Weather >

# STATE OF FLORIDA Visible Emissions Observation Form

Source/Process Information				Opacity Readings									
FACILITY NAME				OBSERVATION				START TIME		STOP TIME			
Mack Concrete Industries, Inc				August 21, 2012				8:20AM		9:00AM			
SOURCE NAME		PERMIT NO.		SEC	0	15	30	45	SEC	0	15	30	45
FLY ASH Storage Silo		CG90066-004-AG		MIN					MIN				
LOCATION / ADDRESS				1	0	0	0	0	31	0	0	0	0
23902 County Road 561, ASIATULA				2	0	0	0	0	32	0	0	0	0
CONTACT		PHONE NO.		3	0	0	0	0	33	0	0	0	0
LARRY TAYLOR		(352) 742-2333		4	0	0	0	0	34	0	0	0	0
PROCESS / PRODUCTION RATE				5	0	0	0	0	35	0	0	0	0
SEE PROCESS DATA SHEET (~29.95 TON/Hr)				6	0	0	0	0	36	0	0	0	0
CONTROL EQUIPMENT		OPERATING MODE		7	0	0	0	0	37	0	0	0	0
BAGHOUSE		AUTO Pulse		8	0	0	0	0	38	0	0	0	0
FUEL TYPE/RATE		MATERIAL TYPE/RATE		9	0	0	0	0	39	0	0	0	0
N/A		FLY ASH		10	0	0	0	0	40	0	0	0	0
PERMITTED RATE				11	0	0	0	0	41	0	0	0	0
DESCRIBE EMISSION POINT				12	0	0	0	0	42	0	0	0	0
CYLINDRICAL Vent				13	0	0	0	0	43	0	0	0	0
HEIGHT ABOVE GROUND LEVEL		HEIGHT TO OBSERVER		14	0	0	0	0	44	0	0	0	0
~45 ft		~39 ft		15	0	0	0	0	45	0	0	0	0
Emissions Description				16	0	0	0	0	46	0	0	0	0
DESCRIBE EMISSIONS				17	0	0	0	0	47	0	0	0	0
START NONE END NONE				18	0	0	0	0	48	0	0	0	0
PLUME COLOR		PLUME TYPE		19	0	0	0	0	49	0	0	0	0
N/A		N/A		20	0	0	0	0	50	0	0	0	0
WATER DROPLET PRESENT?		IF YES		21	0	0	0	0	51	0	0	0	0
YES NO <input checked="" type="checkbox"/>		ATTACHED DETACHED		22	0	0	0	0	52	0	0	0	0
Meteorological Information				23	0	0	0	0	53	0	0	0	0
BACKGROUND		BACKGROUND COLOR		24	0	0	0	0	54	0	0	0	0
START SKY END		START Blue with white clouds END Same		25	0	0	0	0	55	0	0	0	0
SITE CONDITIONS/CLOUD COVER		AMBIENT TEMP		26	0	0	0	0	56	0	0	0	0
START Scattered END Same		START ~76°F END ~78°F		27	0	0	0	0	57	0	0	0	0
WIND SPEED		WIND DIRECTION		28	0	0	0	0	58	0	0	0	0
START ~2 to 5 MPH END ~3 to 6 MPH		START FR S END Same		29	0	0	0	0	59	0	0	0	0
Observation Data, Site Diagram				30	0	0	0	0	60				



Comments *NOT TO SCALE*  
 20 MINUTE OPACITY AVE = 0 %  
 PNEUMATIC TANKER UNLOADING PRESSURE = 99 to 101 PSI  
 FLY ASH PRODUCT - 24.96 TONS  
 NO OBJECTIONABLE odors were detected during TEST PERIOD

Recertified on 8-8-12 by EASTERN TECHNICAL ASSOCIATES - AWAITING CLASSROOM & FIELD CERTIFICATES

## VISIBLE EMISSIONS EVALUATOR

Gregory Gonzales

This is To Certify That The Above Named Observer Has Met The Specifications Of Federal Reference Method 9 And Qualifies As A Visible Emissions Evaluator. Certification Test Conducted By Eastern Technical Associates Of Raleigh, N.C.

GON443061	400829
Student ID Number	Certificate Number
2/8/2012	8/9/2012
Certification Date	Certification Expiration Date
ORLANDO, FL	ORLF09
Location	Last Lecture

GG Environmental Solutions, Inc.  
1430 Sara L. Street  
Kissimmee, Florida 34744-2771  
Phone - (407) 932-0409  
Fax - (407) 932-0409

PROCESS DATA SHEET

DATE August 21, 2012 TESTING TIME 8:20 AM to 9:10 AM

SOURCE INFORMATION

COMPANY Mack Concrete Industries, Inc.

ADDRESS 23902 County Road 561, Astatula, Florida

SOURCE IDENTIFICATION: FDEP Permit No. 0690066-004-AG Concrete Batch Plant  
(Fly Ash Storage Silo)

SOURCE LOCATION (IF DIFFERENT FROM ABOVE) \_\_\_\_\_

STATEMENT OF PROCESS WEIGHT

INPUT PROCESS RATE DURING TESTING TIME 29.95 ton/hr of fly ash dust

PRODUCTION RATE DURING TESTING TIME no batching was performed

Fly Ash dust in tanker truck = 24.96 ton  
Tanker pneumatic unloading pressure = 8 to 9 psi  
Tanker unloading time to silo = 50 minutes

$\frac{24.96 \text{ ton cement dust}}{50 \text{ minute unloading time}} \times \frac{60 \text{ minutes}}{\text{hour}} = 29.95 \text{ ton/hr fly ash dust loaded into storage silo}$

I certify that the above statement is true to the best of my knowledge and belief.

Name Larry Taylor Signature 

Title Facility General Manager Date 8-21-2012

**NOTE:** THE SHIPPER IS RESPONSIBLE FOR THE PROTECTION AND SAFETY OF THE GOODS AND THE SHIPPER'S LIABILITY IS LIMITED TO THE ACTUAL VALUE OF THE GOODS AT THE TIME OF LADING. THE SHIPPER'S LIABILITY IS LIMITED TO THE ACTUAL VALUE OF THE GOODS AT THE TIME OF LADING. THE SHIPPER'S LIABILITY IS LIMITED TO THE ACTUAL VALUE OF THE GOODS AT THE TIME OF LADING.

**Separation Technologies LLC**  
A Titan America Business



SHIPPER B/L:

6046908

DATE	SHIPPED FROM	AGENTS NUMBER
------	--------------	---------------

8-20-12	LLT	
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CONSIGNEE:	CARRIER/ROUTE:
------------	----------------

<del>XXXXXXXXXX</del> Astatula	S + D CPU
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DESTINATION:	RWC NO.:
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RATE	TEST	SPECIAL INSTRUCTIONS	IN: 12:42:51 PM	ORIGIN:
			OUT: 12:56:41 PM	

QTY.	DESCRIPTION	WEIGHT			CAR INITIALS AND NUMBER	WAYBILL NUMBER	BIN NO.
		GROSS	TARE	NET			
1	Pre Ash				SEPARATION TECHNOLOGIES LLC S&D 6046908	10	
					Gross: 76.760	38.38	
					Tare: 26.840	13.42	
					Net: 49.920	24.96	
					Material Code/Description 001 - On-Spec Fly Ash		

TRUCK ARRIVED	UNLOADING COMPLETE	RECEIVED FOR CONSIGNEE BY
AM	AM	
PM	PM	

**MATERIAL SAFETY DATA SHEET  
AVAILABLE UPON REQUEST  
1-888-477-6274**

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.  
  
\_\_\_\_\_  
(Signature of consignor)

EXPLAIN BELOW REASON FOR DELAY OR EXCEPTIONS

**CUSTOMER PICK UP**  
RECEIPT OF THE PRODUCT AND QUANTITY DESIGNATED HEREON IS ACKNOWLEDGED, FOB ORIGIN PLANT SITE, BY CUSTOMER OR AGENT FOR CUSTOMER FOR DELIVERY TO THE CUSTOMER AND DESTINATION IDENTIFIED HEREON.  
  
COMPANY \_\_\_\_\_  
AGENT \_\_\_\_\_  
TRACTOR LIC. NO. \_\_\_\_\_  
SEAL NO(S). \_\_\_\_\_

If charges are to be prepaid, write or stamp here, "To Be Prepaid."  
**TO BE PREPAID**

TIME USED BY CONSIGNEE FOR UNLOADING TRUCK, IN EXCESS OF TIME ALLOWED IN TARIFF, WILL BE ASSESSED AT THE APPLICABLE TARIFF RATES AND CHARGED TO CONSIGNEE, PRIOR TO SIGNING DELIVERY RECEIPT, VERIFY CONDITION OF SHIPMENT, TRUCK ARRIVAL, AND UNLOADING COMPLETED TIME. NO LOSS OR DAMAGE CLAIMS CONSIDERED UNLESS EXCEPTION IS NOTED ON BILL OF LADING BY CONSIGNEE AT TIME OF DELIVERY.

ProAsh	CARRIER'S AGENT	TRACTOR NO.	TRAILER NO.
PER: <i>Rich Franklin</i>	PER: <i>S+D</i>	410	343

NAME AND PERMANENT POST OFFICE ADDRESS OF SHIPPER:

• LBS. GROSS  
• LBS. TARE  
• LBS. NET

*[Signature]*

390100

# STATE OF FLORIDA Visible Emissions Observation Form

Source/Process Information				Opacity Readings									
FACILITY NAME				OBSERVATION				START TIME		STOP TIME			
MACK CONCRETE INDUSTRIES, INC				August 21, 2012				9:35 AM		10:35 AM			
SOURCE NAME		PERMIT NO.		SEC	0	15	30	45	SEC	0	15	30	45
Cement Storage Silo #1		CG90066-004-AG		MIN	0	15	30	45	MIN	0	15	30	45
LOCATION / ADDRESS				1	0	0	0	0	31	0	0	0	0
23902 County Road 561, Astatula				2	0	0	0	0	32	0	0	0	0
CONTACT		PHONE NO.		3	0	0	0	0	33	0	0	0	0
LARRY TAYLOR		(352) 742-2333		4	0	0	0	0	34	0	0	0	0
PROCESS / PRODUCTION RATE				5	0	0	0	0	35	0	0	0	0
SEE PROCESS DATA SHEET (~25.98 TONS/Hr)				6	0	0	0	0	36	0	0	0	0
CONTROL EQUIPMENT		OPERATING MODE		7	0	0	0	0	37	0	0	0	0
BAGHOUSE		AUTO Pulse		8	0	0	0	0	38	0	0	0	0
FUEL TYPE / RATE		MATERIAL TYPE / RATE		PERMITTED RATE		9	0	0	0	0	0	0	0
N/A		Cement DUST				10	0	0	0	0	0	0	0
DESCRIBE EMISSION POINT				11	0	0	0	0	41	0	0	0	0
CYLINDRICAL VENT				12	0	0	0	0	42	0	0	0	0
HEIGHT ABOVE GROUND LEVEL		HEIGHT TO OBSERVER		13	0	0	0	0	43	0	0	0	0
~45m		~39m		14	0	0	0	0	44	0	0	0	0
Emissions Description				15	0	0	0	0	45	0	0	0	0
DESCRIBE EMISSIONS				16	0	0	0	0	46	0	0	0	0
START NONE END NONE				17	0	0	0	0	47	0	0	0	0
PLUME COLOR		PLUME TYPE		18	0	0	0	0	48	0	0	0	0
N/A		N/A		19	0	0	0	0	49	0	0	0	0
WATER DROPLETS PRESENT?		IF YES		20	0	0	0	0	50	0	0	0	0
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>		21	0	0	0	0	51	0	0	0	0
Meteorological Information				22	0	0	0	0	52	0	0	0	0
BACKGROUND		BACKGROUND COLOR		23	0	0	0	0	53	0	0	0	0
START SKY END S		START Blue w/ white clouds END SAME		24	0	0	0	0	54	0	0	0	0
SITE CONDITIONS / CLOUD COVER		AMBIENT TEMP		25	0	0	0	0	55	0	0	0	0
START Scattered END 3/4		START ~78°F END ~79°F		26	0	0	0	0	56	0	0	0	0
WIND SPEED / VARIABLE		WIND DIRECTION		27	0	0	0	0	57	0	0	0	0
START ~3 to 6 mph END 0		START FR S END FR SSW		28	0	0	0	0	58	0	0	0	0
Observation Data, Site Diagram				29	0	0	0	0	59	0	0	0	0
<p>Stack With Plume: </p> <p>Sun: </p> <p>Wind: </p> <p>Draw North Arrow: </p> <p>Distance: ~135'</p> <p>Observer's Position: 140°</p> <p>Sun Location Line</p> <p>NOT TO SCALE</p>				30	0	0	0	0	60	0	0	0	0

## VISIBLE EMISSIONS EVALUATOR

Gregory Gonzales

This is to Certify That The Above Named Observer Has Met The Specifications Of Federal Reference Method 9 And Qualifies As A Visible Emissions Evaluator. Certification Test Conducted By Eastern Technical Associates Of Raleigh, N.C.

GON443061	400829
Student ID Number	Certificate Number
2/8/2012	8/9/2012
Certification Date	Certification Expiration Date
ORLANDO, FL	ORLF09
Location	Last Lecture

Comments: 20 minute opacity ave = 0 %  
 Pneumatic Tanker Unloading Pressure = 8 to 10 PSI  
 Cement Product - 25.98 TONS  
 No objectionable odors were detected during test period

Recertified on 8-8-12 by Eastern Technical Associates - Awaiting Classroom & Field Certificates

Gregory Gonzales

GG Environmental Solutions, Inc.  
1430 Sara L. Street  
Kissimmee, Florida 34744-2771  
Phone - (407) 932-0409  
Fax - (407) 932-0409

PROCESS DATA SHEET

DATE August 21, 2012 TESTING TIME 09:35 AM to 10:35 AM

SOURCE INFORMATION

COMPANY Mack Concrete Industries, Inc.

ADDRESS 23902 County Road 561, Astatula, Florida

SOURCE IDENTIFICATION: FDEP Permit No. 0690066-004-AG Concrete Batch Plant  
(Cement Storage Silo #1)

SOURCE LOCATION (IF DIFFERENT FROM ABOVE) \_\_\_\_\_

STATEMENT OF PROCESS WEIGHT

INPUT PROCESS RATE DURING TESTING TIME 25.98 ton/hr of cement dust

PRODUCTION RATE DURING TESTING TIME no batching was performed

Cement dust in tanker truck = 25.98 ton  
Tanker pneumatic unloading pressure = 9 to 10 psi  
Tanker unloading time to silo = 60 minutes

$\frac{25.98 \text{ ton cement dust}}{60 \text{ minute unloading time}} \times \frac{60 \text{ minutes}}{\text{hour}} = 25.98 \text{ ton/hr cement dust loaded into storage silo}$

I certify that the above statement is true to the best of my knowledge and belief.

Name Larry Taylor Signature *Larry Taylor*

Title Facility General Manager Date 8-21-2012

4

THIS MEMORANDUM

is an acknowledgment that Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

**WARNING!**  
Portland cement, Cemplus Slag and lime are injurious to eyes and cause skin irritation. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact flush with plenty of water for at least fifteen minutes. Consult a physician immediately. Keep out of reach of children.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading



**Suwannee American Cement Company • 5117 U.S. Hwy. 27, Branford, Florida, USA**

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery of said destination, if on its route, otherwise to delivery to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all of any of said property over all or any portion or said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

**Shipper hereby certifies he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.**

This shipment is correctly described. Subject to verification by the EASTERN OR SOUTHERN WEIGHING & INSPECTION BUREAU according to agreement. **Suwannee American Cement** Shipper This is the property of the shipper, and no reconsignment or Diversion is to be made unless authorized by consignors.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, the shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically by the shipper to be not.

Subject to Section 7 of conditions of applicable bill of lading, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

If charges are to be prepaid, write or stamp here. "To be Prepaid," TO BE PREPAID

**Suwannee American Cement**

Received \$  
to apply in prepayment of the charges on the property described hereon.

Per \_\_\_\_\_  
(SIGNATURE OF CONSIGNOR)

Agent or Cashier

(The signature here acknowledges only the amount prepaid)

CONSIGNEE TO/DESTINATION	SHIPPING PLANT AND DATE	CARRIER ROUTE
5904281 5006535 MACK CONCRETE - ASTATULA4607 23902 COUNTRY ROAD 561 ASTATULA FL 34705	4018838 FOB41 08/20/2012 CUSTOMER PICKUP 08/20/2012 424 16:33	200104199

Charges advanced: \$

WEIGHT	
GROSS	39.670 Lt
TARE	13.690 Lt
NET	25.980 Lt

COMMENTS / SPECIAL INSTRUCTIONS  
SD SEAL 115121

WEIGHED BY DATE  
CSCALESUW1  
CHECKED BY/FOREMAN TIME

CUSTOMER ORDER NO. DELIVERY DATE & TIME BILL OF LADING NO. SEALS  
08/20/2012 8031353667

CAR INITIALS/TRUCK NO. FROM SILO  
L5/2108 2

PRODUCT CODE QUANTITY WEIGHT NO. PKGS. COMMODITY RATE FREIGHT

4254081 51,960.00 25.98 Type I (II) Portland - Bulk AASHTO

Delivered 8.21.12

THIS PRODUCT MEETS ASTM C 150 AND AASHTO M85 SPECIFICATIONS  
MAY CONTAIN UP TO 5% LIMESTONE ADDITION

Suwannee American Cement Shipper  
Per \_\_\_\_\_

CUSTOMER REMARKS	
RECEIVED AT DESTINATION - CUSTOMER / AGENT SIGNATURE	DATE
ARRIVAL TIME	Agent _____
DEPARTURE TIME	Per _____





# STATE OF FLORIDA Visible Emissions Observation Form

Source/Process Information				Opacity Readings									
FACILITY NAME				OBSERVATION				START TIME		STOP TIME			
MACK CONCRETE INDUSTRIES, INC				AUGUST 24, 2012				11:15AM		12:10PM			
SOURCE NAME		PERMIT NO		REC	0	15	30	45	REC	0	15	30	45
Cement Storage Silo #2		CG90066-004-AG		MIN					MIN				
LOCATION / ADDRESS				1	0	0	0	0	31	0	0	0	0
23902 County Road 561, ASIATULA				2	0	0	0	0	32	0	0	0	0
CONTACT		PHONE NO		3	0	0	0	0	33	0	0	0	0
LARRY TAYLOR		(352) 742-2333		4	0	0	0	0	34	0	0	0	0
PROCESS / PRODUCTION RATE				5	0	0	0	0	35	0	0	0	0
SEE PROCESS DATA SHEET (~28.88 TONS/HR)				6	0	0	0	0	36	0	0	0	0
CONTROL EQUIPMENT		OPERATING MODE		7	0	0	0	0	37	0	0	0	0
BAGHOUSE		AUTO PULSE		8	0	0	0	0	38	0	0	0	0
FUEL TYPE / RATE		MATERIAL TYPE / RATE		9	0	0	0	0	39	0	0	0	0
N/A		Cement Dust		10	0	0	0	0	40	0	0	0	0
DESCRIBE EMISSION POINT				11	0	0	0	0	41	0	0	0	0
RECTANGULAR VENT				12	0	0	0	0	42	0	0	0	0
HEIGHT ABOVE GROUND LEVEL		HEIGHT TO OBSERVER		13	0	0	0	0	43	0	0	0	0
~50"		~44"		14	0	0	0	0	44	0	0	0	0
Emissions Description				15	0	0	0	0	45	0	0	0	0
DESCRIBE EMISSIONS				16	0	0	0	0	46	0	0	0	0
START NONE END NONE				17	0	0	0	0	47	0	0	0	0
PLUME COLOR		PLUME TYPE		18	0	0	0	0	48	0	0	0	0
N/A		N/A		19	0	0	0	0	49	0	0	0	0
WATER DROPLETS PRESENT?		IF YES		20	0	0	0	0	50	0	0	0	0
YES NO		ATTACHED DETACHED		21	0	0	0	0	51	0	0	0	0
Meteorological Information				22	0	0	0	0	52	0	0	0	0
BACKGROUND		BACKGROUND COLOR		23	0	0	0	0	53	0	0	0	0
START SKY END 5		START SKY Blue w/ light white clouds END Same		24	0	0	0	0	54	0	0	0	0
SITE CONDITIONS / CLOUD COVER		AMBIENT TEMP		25	0	0	0	0	55	0	0	0	0
START SCATTERED END 4		START ~82°F END ~84°F		26	0	0	0	0	56	0	0	0	0
WIND SPEED VARIABLE		WIND DIRECTION		27	0	0	0	0	57	0	0	0	0
START ~3 TO 6 MPH END 0		START FR SSW END Same		28	0	0	0	0	58	0	0	0	0
Observation Data, Site Diagram				29	0	0	0	0	59	0	0	0	0
				30	0	0	0	0	60	0	0	0	0

## VISIBLE EMISSIONS EVALUATOR

Gregory Gonzales

This is To Certify That The Above Named Observer Has Met The Specifications Of Federal Reference Method 9 And Qualifies As A Visible Emissions Evaluator. Certification Test Conducted By Eastern Technical Associates Of Raleigh, N.C.

GON443061

400829

Student ID Number

Certificate Number

2/8/2012

8/9/2012

Certification Date

Certification Expiration Date

ORLANDO, FL

ORLF09

Location

Last Lecture

Comments  
 2 minute opacity ave = 0 %  
 Pneumatic Tanker unloading pressure =  
 Cement Product - 26.48 tons  
 No objectionable odors were detected during test period

Recertified on 8-8-12 by EASTERN TECHNICAL ASSOCIATES - AWAITING CLASSROOM & FIELD CERTIFICATES

GG Environmental Solutions, Inc.  
1430 Sara L. Street  
Kissimmee, Florida 34744-2771  
Phone - (407) 932-0409  
Fax - (407) 932-0409

PROCESS DATA SHEET

DATE August 21, 2012 TESTING TIME 11:15 AM to 12:10 PM

SOURCE INFORMATION

COMPANY Mack Concrete Industries, Inc.

ADDRESS 23902 County Road 561, Astatula, Florida

SOURCE IDENTIFICATION: FDEP Permit No. 0690066-004-AG Concrete Batch Plant  
(Cement Storage Silo #2)

SOURCE LOCATION (IF DIFFERENT FROM ABOVE) \_\_\_\_\_

STATEMENT OF PROCESS WEIGHT

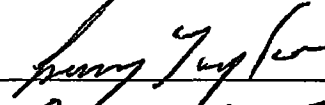
INPUT PROCESS RATE DURING TESTING TIME 28.89 ton/hr of cement dust

PRODUCTION RATE DURING TESTING TIME no batching was performed

Cement dust in tanker truck = 26.48 ton  
Tanker pneumatic unloading pressure = 9 to 10 psi  
Tanker unloading time to silo = 55 minutes

$$\frac{26.48 \text{ ton cement dust}}{55 \text{ minute unloading time}} \times \frac{60 \text{ minutes}}{\text{hour}} = 28.89 \text{ ton/hr cement dust loaded into storage silo}$$

I certify that the above statement is true to the best of my knowledge and belief.

Name Larry Taylor Signature   
Title Facility General Manager Date 8-21-2012

70057629



Bill of Lading - Original - Not Negotiable  
American Cement Company, LLC 4750 E C-470 Sumterville, FL, USA

SHIPPER <i>Sumterville Plant</i>		BILL OF LADING # 1700056359	
DATE TO SHIP 08/03/2012		VIA S&D	
VEHICLE NO. L10	TRACTOR LIC. NO.	TRAILER NO. 343	PURCHASE ORDER
DATE SHIPPED 08/21/2012	TIME SHIPPED 10:11:03	SHIPPING METHOD CUSTOMER PICKUP	

DELIVER TO: 100132  
Mack Concrete  
23902 CR 561  
Astatula FL 34705

INVOICE TO: 100131  
Mack Concrete Industries  
PO Box 157  
Astatula FL 34705  
1000053174

WARNING-KEEP OUT OF REACH OF CHILDREN FRESHLY MIXED CEMENT, MORTAR, FLUE DUST, CLINKER, FLY ASH, CONCRETE OR GROUT MAY CAUSE SKIN INJURY. AVOID CONTACT WITH SKIN WHERE POSSIBLE AND WASH EXPOSED SKIN AREA PROMPTLY WITH WATER. IF ANY CEMENT OR CEMENT MIXTURES GET INTO THE EYE. RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION. See MSDS for additional details.

All shipments are Prepaid unless picked up by customer. Subject to Section 7 of the Terms and Condition of Carriage if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

AMERICAN CEMENT COMPANY, LLC

MATERIAL NO.	QUANTITY	UOM	DESCRIPTION	SILO #	SCALE #
2000000009	26,480	TON	Bulk Portland Type I/II	SILO 5	2

*This cement complies with ASTM C 150, Type I/II and meets the 150 Type I specifications*

GROSS 79,280,000	TARE 26,320,000	NET WEIGHT 52,960,000	DATE 08/21/2012	SEAL # 3756102
---------------------	--------------------	--------------------------	--------------------	-------------------

The Bill of Lading is not subject to any tariffs or classifications whether individually determined or filed with any federal or state regulatory agency, except as specifically agreed to in writing by the shipper and the carrier.  
**Notice: If the Gross Weight exceeds the State Maximum, this load is not legal on the Interstate Highway system.**

COD AMOUNT \$ \_\_\_\_\_ RECEIVED: \_\_\_\_\_

Received from Shipper-Material described above in good condition except as noted.

Received by Carrier *[Signature]* Per (Driver or Customer) *[Signature]*

American Cement Company, LLC - Shipper  
Per *[Signature]*  
55 1016

Received at Destination - Customer/Agent Signature  
*[Signature]*



# Florida Department of Environmental Protection

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

November 8, 2007

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

Mr. Greg Liskey, Vice President  
Mack Concrete Industries, Incorporated  
23902 County Road 561  
Astatula, Florida 34705

Dear Mr. Liskey:

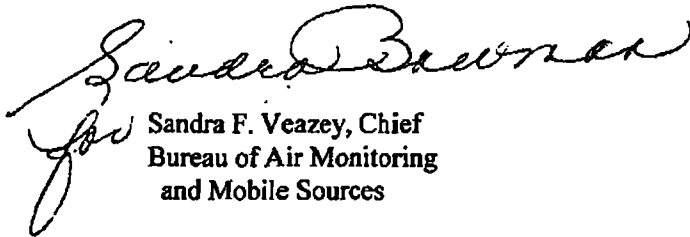
This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on October 5, 2007. We have assigned ARMS Number 0690066-004 to this facility.

As you know, 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

# CONCRETE BATCHING PLANTS

## Air General Permit Example Registration Worksheet

The Department of Environmental Protection has established an "air general permit" at Florida Administrative Code ("F.A.C.") Rule 62-210.310(5)(b) for concrete batching plant. An air general permit is an authorization by rule to construct or operate a specific type of air pollutant emitting facility. Use of such authorization by any individual facility does not require action by the Department. The terms and conditions of the air general permit are set forth in the rule, rather than in a separately issued air construction or air operation permit.

If you are the owner or operator of an eligible facility comprising one or more concrete batching plants, you may register to use the air general permit at Rule 62-210.310(5)(b), F.A.C., by following the general procedures given at subsections 62-210.310(2) and 62-210.310 (3), F.A.C. To register, use the Department's electronic registration system (currently under development) or submit all the information specified in the above rules to either of the following addresses, along with the air general permit registration processing fee (\$100.00), payable to FDEP.

### Regular USPS Mail Delivery DHL, etc.)

Department of Environmental Protection  
Receipts  
Post Office Box 3070  
Tallahassee, Florida 32315-3070

or

### Overnight Delivery (FedEx, UPS,

Department of Environmental Protection  
3800 Commonwealth Blvd.  
Mail Station 77  
Tallahassee, Florida 32399

If you properly register to use an air general permit, and are not denied use of the air general permit by the Department, you are authorized to construct and operate the facility in accordance with the general terms and conditions of Rule 62-210.310, F.A.C., and the specific terms and conditions of Rule 62-210.310(5)(b), F.A.C. Your facility may vary, so be sure your registration describes the operations at your facility in sufficient detail to demonstrate the facility's eligibility for use of the air general permit and to provide a basis for tracking any future equipment or process changes. Your registration should describe all air pollutant-emitting processes and equipment at the facility, and it should identify any air pollution control measures or equipment used.

The rules do not require any specific format for the registration. This worksheet, however, has been designed to assist owners and operators. Using it as a template for a general permit registration will help ensure that all necessary information is submitted.

Additional information can be found on the Department's air general permit program website ([http://www.floridadep.org/air/emission/air\\_gp.htm](http://www.floridadep.org/air/emission/air_gp.htm)) or by calling the Small Business Environmental Assistance Program Hotline at 1-800-SBAP-HLP (1-800-722-7457).

Last updated: August 2, 2012

RECEIVED  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AUG 30 PM 1:18  
TALLAHASSEE, FLORIDA

MACK CONCRETE INDUSTRIES INC

PH. 352-742-2333  
23902 C.R. 561  
ASTATULA, FL 34705

4106

63-215/631

DATE 8-20-12

PAY TO THE ORDER OF Fla. Dept. of Environmental Protection \$ 100.00

One hundred dollars and 00/100

DOLLARS



ACH RT 061000104  
Permit No. 0690066-004-06

FOR 2012 FDEP Permit Renewal

*[Signature]*

MP

2012 AUG 30 PM 1:17

DIVISION OF AIR  
RESOURCE MANAGEMENT

SEP 04 2012

RECEIVED

RECEIVED

SEP 04 2012

DIVISION OF AIR  
RESOURCE MANAGEMENT

August 29, 2012

Mr. Dick Dibble, P.E.  
Division of Air Resource Management  
Florida Department of Environmental Protection  
Air General Permit Section  
3800 Commonwealth Blvd.; Mail Station 77  
Tallahassee, Florida 32399

**Mack Concrete Industries, Inc.**  
**Concrete Batch Plant Operation**  
**FDEP Permit No. 0690066-004-AG**

Dear Mr. Dibble:

To confirm today's telephone conversation, this correspondence is being submitted at the request of our client Mack Concrete Industries, Inc. Please find enclosed:

1. Four (4) copies of FDEP Form No. 62-210.920(2)(b) Division of Air Resource Management Air General Permit Registration Worksheet for Non Title V Source Notification to Use Air General Permit for the subject source.
2. Mack Concrete Industries, Inc. Check Number 4106 (dated August 20, 2012), in the amount of \$100.00, made payable to the Florida Department of Environmental Protection, for the application-processing renewal fee necessary to obtain the five-year operating air permit.

Should you have any questions, please do not hesitate to contact me at (407) 932-0409 or my "E-Mail" address: [ggonzales5@cfl.rr.com](mailto:ggonzales5@cfl.rr.com).

Sincerely,

**GG ENVIRONMENTAL SOLUTIONS, INC.**



Gregory R. Gonzales  
President  
1430 Sara L. Street  
Kissimmee, Florida 34744-2771

Enclosures: a/s

cc: Greg Knotts/Agent – Mack Concrete Industries, Inc.

GRG\C: Project files\ Mack Concrete Industries\OperatingPermit\_08/29/2012DEP1.doc

2012 AUG 30 PM 1:17