

# BEATTY ENVIRONMENTAL SERVICES, LLC

September 11, 2013

## ELECTRONIC CORRESPONDENCE

Cliff Bittle  
E.L. Manager  
Broward County  
Air Quality Division  
115 S. Andrews Ave.  
Fort Lauderdale, FL 33301

Re: Hanson – Deerfield Beach Facility  
AIRS ID: **0111024**

Dear Mr. Bittle,

On August 6, 2013, EPA Method 9 Visible emissions Testing was conducted at Hanson – Deerfield Beach located at 1340 SW 34<sup>th</sup> Ave. in Deerfield Beach.

The test was performed in order to comply with the requirements of the Air General Permit Registration Form.

The test was conducted by Zachary Beatty, a certified Visible Emissions Evaluator. A copy of his certification is attached.

The following EU's were tested:

**EU-001 North Silo baghouse**  
**EU-001 Middle Silo baghouse**  
**EU-002 South Silo baghouse**

Please contact me if you have any concerns or questions with this report.

Sincerely,

*Daniel R. Beatty*

Daniel R. Beatty

/db

Electronic copy to: Charles Piwowarski, Hanson

Timothy LeBoeuf, Hanson

315 SE 20<sup>th</sup> Pl  
Cape Coral, FL 33990

PHONE (239) 246-3646  
E-MAIL beattyenvironmental12@gmail.com

# Beatty Environmental Services, LLC

315 SE 20th Pl  
Cape Coral, Florida 33990  
(239) 246-3646

[beattyenvironmental12@gmail.com](mailto:beattyenvironmental12@gmail.com)

## VISIBLE EMISSION OBSERVATION FORM

Method Used (Circle One) Method 9 203A 203B Report

Company Name **Hanson**  
 Street Address **Deerfield Beach Plt** AIRS **0111024**  
**1340 SW 34th Ave.**  
 City **Deerfield Beach** Zip **33442**  
 Phone No. **352 266-9835**

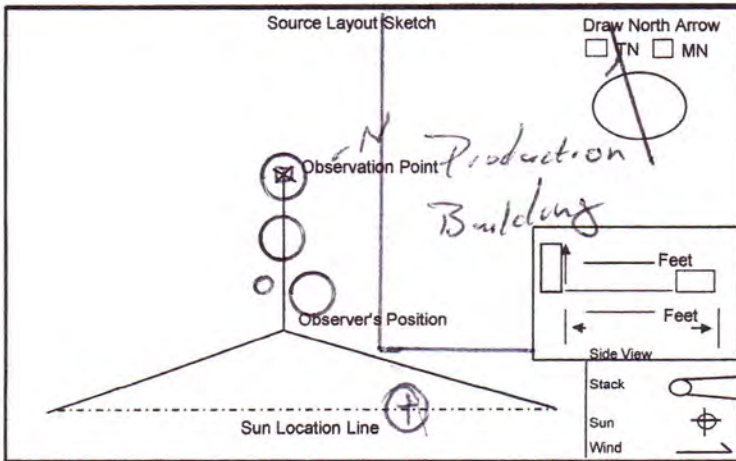
Process Offloading cement tanks (OTBs) Unit # Operating Mode  
 Control Equipment Baghouse Operating Mode NORMAL

Describe Emission Point N. Silo Baghouse  
 Ht of Emis. Point ~30 ft Ht Rel to Observer ~27 ft  
 Distance to Emis. Pt. ~80 ft Direction to Emis. Pt (Degrees) 150

Vertical Angle to Obs. N/A Direction to Obs. Pt. (Degrees) 150  
 Distance and Direction to Obs. Pt from Emission Pt Same

Describe Emissions None  
 Emission Color N/A Water Droplet Plume Attached Detached None

Describe Plume Background SKY  
 Background Color Blue Sky Conditions scattered  
 Wind Speed 0-3mph Wind Direction variable  
 Ambient Temp. 91°F Wet Bulb Temp. N/A % RH N/A



Latitude N/A Longitude N/A Declination N/A

Comments 26.37 tons of Cement offloaded at 34.97PH EU-001 - North Silo  
 START 1112 STOP 1158 4/6 min

Observation Date		Start Time				Stop Time			
<u>8/6/13</u>		<u>1112</u>				<u>1142</u>			
Sec	0	15	30	45	Sec	0	15	30	45
1	0	15	30	45	31				
2	0	15	30	45	32				
3	0	15	30	45	33				
4	0	15	30	45	34				
5	0	15	30	45	35				
6	0	15	30	45	36				
7	0	15	30	45	37				
8	0	15	30	45	38				
9	0	15	30	45	39				
10	0	15	30	45	40				
11	0	15	30	45	41				
12	0	15	30	45	42				
13	0	15	30	45	43				
14	0	15	30	45	44				
15	0	15	30	45	45				
16	0	15	30	45	46				
17	0	15	30	45	47				
18	0	15	30	45	48				
19	0	15	30	45	49				
20	0	15	30	45	50				
21	0	15	30	45	51				
22	0	15	30	45	52				
23	0	15	30	45	53				
24	0	15	30	45	54				
25	0	15	30	45	55				
26	0	15	30	45	56				
27	0	15	30	45	57				
28	0	15	30	45	58				
29	0	15	30	45	59				
30	0	15	30	45	60				

Number of Readings Above were 0 Average Opacity for Highest 6 Min Period 0%

Range of opacity Readings Min 0% Max 0%

Observers Name (Print) Zachary Beatty

Observers Signature Z. Beatty Date 8/6/13

Organization **Beatty Environmental Services, LLC**

Certified By **ETA** Date **2/13/13**

# Beatty Environmental Services, LLC

315 SE 20th Pl  
Cape Coral, Florida 33990  
(239) 246-3646

[beattyenvironmental12@gmail.com](mailto:beattyenvironmental12@gmail.com)

## VISIBLE EMISSION OBSERVATION FORM

Method Used (Circle One) **Method 9** 203A 203B Report

Company Name **Hanson**  
 AIRS **0111024**  
 Street Address **Deerfield Beach Plt**  
**1340 SW 34th Ave.**  
 City **Deerfield Beach** Zip **33442**  
 Phone No. **352 266-9835**

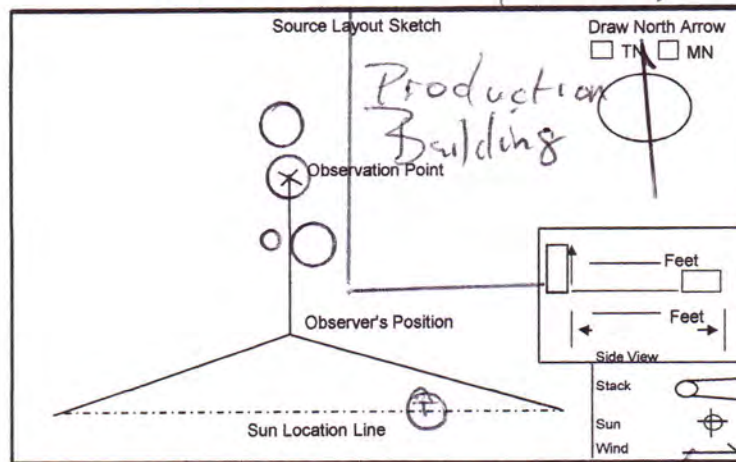
Process **OFFloading cement tanker** Unit # **9731** Operating Mode **GPS**  
 Control Equipment **Bughouse** Operating Mode **Normal**

Describe Emission Point **center site bughouse**  
 Ht of Emis. Point **~30ft** Ht Rel to Observer **~27ft**  
 Distance to Emis. Pt **~70ft** Direction to Emis. Pt (Degrees) **18°**

Vertical Angle to Obs. **N/A** Direction to Obs. Pt. (Degrees) **18°**  
 Distance and Direction to Obs. Pt from Emission Pt **Same**

Describe Emissions **None**  
 Emission Color **N/A** Water Droplet Plume **None**  Attached  Detached

Describe Plume Background **SKY**  
 Background Color **Blue** Sky Conditions **scattered**  
 Wind Speed **0-3mph** Wind Direction **variable**  
 Ambient Temp. **91°F** Wet Bulb Temp. **N/A** % RH **N/A**



Latitude **N/A** Longitude **N/A** Declination **N/A**

Comments **26.59 Tons of White Cement**  
**Observed at 29.0TPH EU-001**  
 START **1215** STOP **BID 55min South Side**

Observation Date		Start Time				Stop Time			
8/6/13		1215				1245			
Sec	0	15	30	45	Sec	0	15	30	45
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				
30	0	0	0	0	60				

Number of Readings Above **0** were **0** Average Opacity for Highest 6 Min Period **0%**

Range of opacity Readings  
 Min **0%** Max **0%**

Observers Name (Print) **Zachary Beatty**

Observers Signature **[Signature]** Date **8/6/13**

Organization **Beatty Environmental Services, LLC**

Certified By **ETA** Date **2/13/13**

# Beatty Environmental Services, LLC

315 SE 20th Pl  
Cape Coral, Florida 33990  
(239) 246-3646

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## VISIBLE EMISSION OBSERVATION FORM

Method Used (Circle One) **Method 9** 203A 203B Report

Company Name **Hanson**  
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**1340 SW 34th Ave.**  
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 Phone No. **352 266-9835**

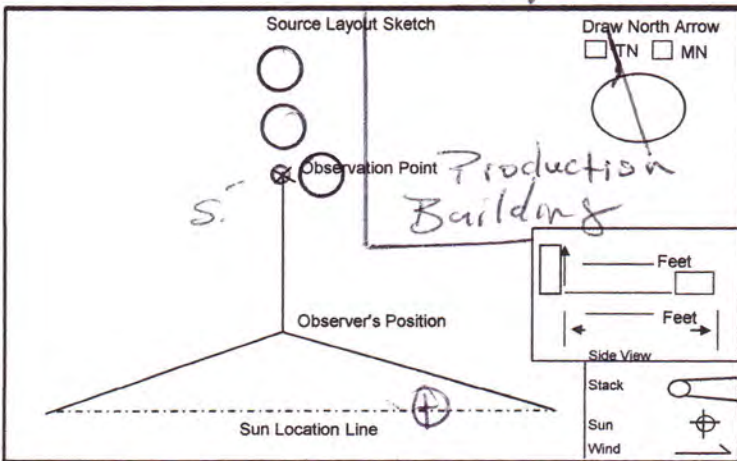
Process **offloading cement tanker 9ft** Unit # **9ft** Operating Mode **Normal**  
 Control Equipment **Baghouse** Operating Mode **Normal**

Describe Emission Point **S. Silo Baghouse**  
 Ht of Emis. Point **~6 ft** Ht Rel to Observer **~3 ft**  
 Distance to Emis. Pt. **~50 ft** Direction to Emis. Pt. (Degrees) **20°**

Vertical Angle to Obs. **N/A** Direction to Obs. Pt. (Degrees) **20°**  
 Distance and Direction to Obs. Pt from Emission Pt **Same**

Describe Emissions **None**  
 Emission Color **N/A** Water Droplet Plume  Attached  Detached  None

Describe Plume Background **Machinery**  
 Background Color **Berge** Sky Conditions **Scattered**  
 Wind Speed **0-3mph** Wind Direction **Variable**  
 Ambient Temp. **91°F** Wet Bulb Temp. **N/A** % RH **N/A**



Latitude **N/A** Longitude **N/A** Declination **N/A**

Comments **25.90 Tons ch Cement offloaded at 31.1 TPH EU-002**  
 START **1112** STOP **1202** **50min**

Observation Date **8/6/13** Start Time **1112** Stop Time **1142**

Sec	0	15	30	45	Sec	0	15	30	45
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				
30	0	0	0	0	60				

Number of Readings Above **0** were **0** Average Opacity for Highest 6 Min Period **0%**

Range of opacity Readings Min **0%** Max **0%**

Observers Name (Print) **Zachary Beatty**

Observers Signature **Zachary Beatty** Date **8/6/13**

Organization **Beatty Environmental Services, LLC**

Certified By **ETA** Date **2/13/13**

PERMANENT ADDRESS - FORT LAUDERDALE, FL

**CONTINENTAL**  
**HEIDELBERGCEMENT** Group

*Main Line*  
*N. Silo*

Port Everglade  
196H197972



**STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE**

RECEIVED, subject to the applicable classification, tariff, circular and/or contract in effect on the date of the issue of this Original Bill of Lading, the property described below, in apparent good order, except as noted "contents and condition 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 at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of 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) in Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the National Motor Freight Classification in effect on the date hereof, if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Uniform Straight Bill of Lading set forth in the classification which governs this shipment, said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**Delivery Date/Time:** Aug 6, 2013 11:00 AM

**Loaded On:** Aug 6, 2013 9:52 AM

HANSON ROOF TILE-DRFLD  
1340 S.W. 34 AVE  
DEERFIELD BEACH FL 33442  
US

**Customer Number:** 0000039427  
**Customer P.O. #:**  
**Carrier:** FLORIDA CARRIER INC GREY  
**Carrier ID:** 0000120072

Description	Quantity	Unit of Measure	Truck, Trailer & Pup	Silo	Scale ID	Gross	Tare	Net
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Gray Portland Type I-II Bulk	26.37	TON	80166 5408	17		79900 LB	27160 LB	52740 LB
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**Special Instructions:** PUMPED OFF AT 10 PSI PLEASE-0575375

*EU-001*  
*North Silo*

**Note:** Any manually-entered weights or quantities are identified with a darker background.

\_\_\_\_\_  
Weighmaster signature

Prior to signing delivery receipt, verify condition of shipment. No loss or damage claims considered unless exception is noted on Bill of Lading by consignee at time of delivery.	
<b>CUSTOMER PICKUP</b>	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.
RECEIPT OF THE PRODUCT AND QUANTITY DESIGNATED HEREON IS ACKNOWLEDGED. FOB ORIGIN, BY CUSTOMER OR AGENT FOR CUSTOMER FOR DELIVERY TO THE CUSTOMER AND DESTINATION IDENTIFIED HEREON.	
COMPANY _____	PER _____ <i>Jordan Bopp</i> (Signature of Consignor)
AGENT _____	
TRACTOR LIC. NO. _____	<b>CHARGES ARE PREPAID UNLESS MARKED NOT PREPAID</b>
Received by _____ (Customer's signature)	CONTINENTAL FLORIDA MATERIALS INC. - SHIPPER PER - _____
The description and weight indicated on this Bill of Lading are correct subject to verification by the respective Weight and Inspection Bureau according to Agreement CONTINENTAL FLORIDA MATERIALS INC. - SHIPPER	RECEIVED BY CARRIER AGENT ABOVE PER - _____ <i>A</i>



STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE

RECEIVED, subject to the applicable classification, tariff, circular and/or contract in effect on the date of the issue of this Original Bill of Lading, the property described below, in apparent good order, except as noted "contents and condition 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 at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of 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) in Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the National Motor Freight Classification in effect on the date hereof, if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Uniform Straight Bill of Lading set forth in the classification which governs this shipment, said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

<b>Delivery Date/Time:</b> Aug 6, 2013 11:03 AM	<b>Loaded On:</b> Aug 6, 2013 11:03 AM
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\*\*CONTINENTAL FL MATERIALS  
PORT EVERGLADES FL 33316  
US

**Customer Number :** 0000042562  
**Customer P.O. # :**  
**Carrier :** CEMEXPRESS LLC  
**Carrier ID :** 0000126601

Description	Quantity	Unit of Measure	Truck, Trailer & Pup	Silo	Scale ID	Gross	Tare	Net
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White Portland Type I Bulk	26.59	TON	363 0679	LWCC-PE Silo		79560 LB	26380 LB	53180 LB
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**Special Instructions :** HAN DEERFIELD

Middle Silo

EU-001  
South Silo  
(Middle Silo)

**WHITE**

**Note:** Any manually-entered weights or quantities are identified with a darker background.

\_\_\_\_\_  
Weighmaster signature

Prior to signing delivery receipt, verify condition of shipment. No loss or damage claims considered unless exception is noted on Bill of Lading by consignee at time of delivery.	
<b>CUSTOMER PICKUP</b>	
RECEIPT OF THE PRODUCT AND QUANTITY DESIGNATED HEREON IS ACKNOWLEDGED, FOB ORIGIN, BY CUSTOMER OR AGENT FOR CUSTOMER FOR DELIVERY TO THE CUSTOMER AND DESTINATION IDENTIFIED HEREON.	
COMPANY _____ AGENT _____ TRACTOR LIC. NO. _____  Received by _____ (Customer's signature)	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.  PER _____ (Signature of Consignor)
<b>CHARGES ARE PREPAID UNLESS MARKED</b>	
<b>NOT PREPAID</b>	
CONTINENTAL FLORIDA MATERIALS INC. - SHIPPER PER - _____	
RECEIVED BY CARRIER AGENT ABOVE PER - _____	
The description and weight indicated on this Bill of Lading are correct subject to verification by the respective Weight and Inspection Bureau according to Agreement CONTINENTAL FLORIDA MATERIALS INC. - SHIPPER	

*TRIM*  
*SOUTH*  
*Silo*



STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE

RECEIVED, subject to the applicable classification, tariff, circular and/or contract in effect on the date of the issue of this Original Bill of Lading, the property described below, in apparent good order, except as noted "contents and condition 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 at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of 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) in Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the National Motor Freight Classification in effect on the date hereof, if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Uniform Straight Bill of Lading set forth in the classification which governs this shipment, said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**Delivery Date/Time:** Aug 6, 2013 11:00 AM

**Loaded On:** Aug 6, 2013 10:06 AM

HANSON ROOF TILE-DRFLD  
1340 S.W. 34 AVE  
DEERFIELD BEACH FL 33442  
US

**Customer Number:** 0000039427  
**Customer P.O. #:**  
**Carrier:** CEMEXPRESS LLC  
**Carrier ID:** 0000126601

Description	Quantity	Unit of Measure	Truck, Trailer & Pup	Silo	Scale ID	Gross	Tare	Net
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Gray Portland Type I-II Bulk	25.90	TON	2051 1757	17		79600 LB	27800 LB	51800 LB
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**Special Instructions:** PUMPED OFF AT 10 PSI PLEASE-SEA;L#0575387

*EU-002*

**Note:** Any manually-entered weights or quantities are identified with a darker background.

\_\_\_\_\_  
Weighmaster signature

Prior to signing delivery receipt, verify condition of shipment. No loss or damage claims considered unless exception is noted on Bill of Lading by consignee at time of delivery.	
<b>CUSTOMER PICKUP</b>	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.
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COMPANY _____ AGENT _____ TRACTOR LIC. NO. _____ Received by _____ (Customer's signature)	
<b>CHARGES ARE PREPAID UNLESS MARKED NOT PREPAID</b>	
CONTINENTAL FLORIDA MATERIALS INC. - SHIPPER PER - _____	
RECEIVED BY CARRIER AGENT ABOVE PER - _____ <i>[Signature]</i>	
The description and weight indicated on this Bill of Lading are correct subject to verification by the respective Weight and Inspection Bureau according to Agreement CONTINENTAL FLORIDA MATERIALS INC. - SHIPPER	



# VISIBLE EMISSIONS EVALUATOR

**Zachary Beatty**

This is to certify that the above named observer has met the specifications of Federal Reference Method 9 and is qualified as a visible emissions evaluator. Maximum deviation on white and black smoke did not exceed 7.5% opacity and no single error exceeding 15% opacity was incurred during the certification test conducted by Eastern Technical Associates, Inc. of Raleigh, N.C.

This certificate is valid for six months from date of issue.

**409996**

Certificate Number

**BEA284339**

Student ID Number

**2/13/2013**

Date of Certification

**Tampa, FL**

Location

**8/15/2013**

Certification Expiration Date

**TMPS12**

Last Lecture

*Marty Hughes*  
**Director of Training**