



# CONCRETE BATCHING PLANT



## COMPLIANCE INSPECTION CHECKLIST

**INSPECTION TYPE:** ANNUAL (INS1, INS2)  COMPLAINT/DISCOVERY (CI)   
 RE-INSPECTION (FUI)  ARMS COMPLAINT NO:

**AIRS ID#:** 7775382 **DATE:** 12/18/08 **ARRIVE:** 9:30 **DEPART:** 11:00  
**FACILITY NAME:** OKEECHOBEE PLANT  
**FACILITY LOCATION:** 1651 HIGHWAY 98 NORTH  
 OKEECHOBEE 34972  
**OWNER/AUTHORIZED REPRESENTATIVE:** ROBERT TUCKER **PHONE:** (561)848-9112  
**CONTACT NAME:** MICHAEL MCCURDY, MANAGER **PHONE:** (561)202-4694  
**ENTITLEMENT PERIOD:** 1/31/2007 / 1/31/2012  
 (effective date) (end date)

### PART I: INSPECTION COMPLIANCE STATUS (check only one box)

IN COMPLIANCE  MINOR Non-COMPLIANCE  SIGNIFICANT Non-COMPLIANCE

### PART II: TESTING/RECORDKEEPING REQUIREMENTS – Rule 62-296.414, F.A.C.

(check  appropriate box(es))

#### Stack Emissions

1. Were visible emissions tests conducted during this site visit according to EPA Method 9 (Ref.: Chapter 62-297, F.A.C.)?-----  Yes  No
2. Are emissions from silos, weigh hoppers (batchers), and other enclosed storage and conveying equipment controlled to the extent necessary to limit visible emissions to 5 percent opacity?-----  Yes  No
3. During visible emissions tests of the silo dust collector exhaust points was the loading of the silo conducted at a rate that is representative of the normal silo loading rate, or at least at the minimum 25 tons per hour rate, unless such rate is unachievable in practice?-----  Yes  No
4. Are emissions from the weigh hopper (batcher) operation controlled by the silo dust collector? (If answer to this question is "Yes", then continue on to questions 4.a) and 4.b) below. If answer is "No" then skip 4.a) and 4.b) and continue on to question 5.)-----  Yes  No
  - a) Was the batching operation in operation during the visible emissions test?-----  Yes  No
  - b) During the visible emissions test, was the batching rate representative of the normal batching rate and duration?-----  Yes  No
5. If emissions from the weigh hopper (batcher) operation are controlled by a dust collector, which is separate from the silo dust collector, are the visible emissions tests of the weigh hopper (batcher) dust collector conducted while batching at a rate that is representative of the normal batching rate and duration?-----  Yes  No

N/A  
N/A

**PART II: TESTING/RECORDKEEPING REQUIREMENTS – Rule 62-296.414, F.A.C. – (continued)**

(check  appropriate box(es))

**Compliance Demonstration - (Rule 62-296.401(5)(i), F.A.C.)**

1. Is each dust collector exhaust point tested according to the visible emissions limiting standard as part of the annual compliance demonstration? (Rule 62-297.310(7)(a), F.A.C.)-----  Yes  No

**New Facilities – (permitted pursuant to Rule 62-210.300(4), F.A.C., Air General Permits)**

2. Did this facility demonstrate:
- a) initial compliance no later than 30 days after beginning operation?-----  Yes  No *NIA*
- b) annual compliance within 60 days prior to each anniversary of the air general permit notification form submittal date?-----  Yes  No *NIA*

**Existing Facilities – (permitted pursuant to Rule 62-210.300(4), F.A.C., Air General Permits)**

3. In order to demonstrate annual compliance, was an annual visible emissions test conducted 60 days prior to the AGP Notification form submission, and within 60 days prior to each anniversary date?-----  Yes  No

**Test Reports – (Rules 62-213.440, F.A.C. and 62-297.310(8)(b), F.A.C.)**

4. Was the required test report filed with the department as soon as practical, but no later than 45 days after the test was completed?-----  Yes  No

**PART III: OPERATING/RECORDKEEPING REQUIREMENTS – Rule 62-210.300(4)(c)2., F.A.C.**

(check  appropriate box(es))

1. Is this facility: 1) a stationary ; 2) a relocatable ; or does it have: 3) both, stationary and relocatable  concrete batching and/or nonmetallic mineral processing plants? (*Please check  only one box.*)

2. If this is a stationary concrete batching plant, is there one or more relocatable nonmetallic mineral processing plants using individual air general permits at the same location? (*If your answer to this question is YES, then proceed to questions 2.a), thru 2.d,) below.*)-----  Yes  No

a) Are there any additional nonexempt units located at this facility?-----  Yes  No

b) Is the total combined annual facility-wide fuel oil usage of all plants less than 240,000 gallons per calendar year?-----  Yes  No *NIA*

c) Is the quantity of material processed less than ten million tons per calendar year?-----  Yes  No

d) Is the fuel oil sulfur content 0.5% by weight or less?-----  Yes  No *NIA*

3. Does the owner/operator of the concrete batching plant maintain a log book or books to account for:

a) fuel consumption on a monthly basis?-----  Yes  No

b) material processed on a monthly basis?-----  Yes  No

c) the sulfur content of the fuel being burned (Fuel supplier certifications)?-----  Yes  No

**PART III: OPERATING/RECORDKEEPING REQUIREMENTS – Rule 62-296.414(2)(a) and (b), F.A.C. (continued)**

(check  appropriate box(es))

**Unconfined Emissions – (Rule 62-296.320(4)(c), F.A.C.)**

1. Does the owner /operator of the concrete batching plant take reasonable precautions to control unconfined emissions by:
- a) management of roads, parking areas, stock piles, and yards, which shall include one or more of the following:
    - 1) paving and maintenance of roads, parking areas, stock piles, and yards?-----  Yes  No
    - 2) application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions?-----  Yes  No
    - 3) removal of particulate matter from roads and other paved areas under control of the owner/operator to re-entrainment, and from building or work areas to reduce airborne particulate matter?-----  Yes  No
    - 4) reduction of stock pile height, or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles?-----  Yes  No
  - b) use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck?-----  Yes  No

**PART IV: SPECIAL CONDITIONS AND PROCEDURES – Rule 62-210.300(4)(d)4., F.A.C.**

**A. New or Modified Process Equipment**

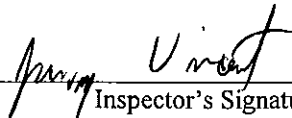
1. Since the last inspection has there been
- a) installation of any new process equipment?-----  Yes  No
  - b) alterations to existing process equipment without replacement?-----  Yes  No
  - c) replacement of existing equipment substantially different than that noted on the most recent notification form?-----  Yes  No
  - d) If you answered **YES** to any of the above, did the owner submit a new and complete notification form and appropriate fee (Rule 62-4.050, FAC) to the appropriate DEP or local program office?-----  Yes  No *N/A*

JEREMY VINCENT

12-18-08

Inspector's Name (Please Print)

Date of Inspection



12-18-09

Inspector's Signature

Approximate Date of Next Inspection

**COMMENTS:** On 12-18-08, JV conducted a compliance inspection and visual emissions test at Maschmeyer Concrete of Okeechobee, located at 1651 Highway 98 North, Okeechobee, FL 34974. Upon arrival, I met with Michael McCurdy, Manager, and Jodi Beck, Consultant in charge of visual emissions testing for South Florida Environmental Services.

The facility, a concrete batch plant has three emissions units associated with it's AIRS ID of 7775382; unit 001 is a cement silo, unit 002 is a slag silo, unit 003 is a weigh hopper. There is a collocated relocatable unit on the property with an AIRS ID of 7775379 (Unit 001, concrete batch plant) which was not involved in this inspection.

Visual emissions testing was conducted for units 001-003 at concrete plant number 7775382; no emissions were observed during the testing. The facility is in compliance at this time.

# EPA 777 5382 VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One) Method 9 203A 203B Other: \_\_\_\_\_

Company Name MASCHMEYER CONCRETE  
 Facility Name OKEECHUBEE PLANT  
 Street Address 1651 HIGHWAY 98 NORTH  
 City OKEECHUBEE State FL Zip 34972

Process CEMENT SILO Unit # 001 Operating Mode \_\_\_\_\_  
 Control Equipment BAGHOUSE Operating Mode \_\_\_\_\_

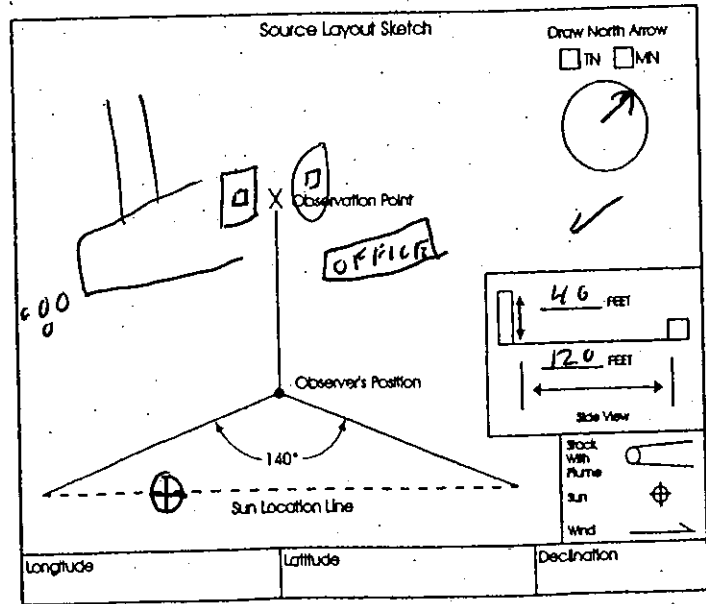
Describe Emission Point  
CEMENT SILO W/ BAGHOUSE

Height of Emis. Pt. Start 40' End 40' Height of Emis. Pt. Rel. to Observer Start 40' End 40'  
 Distance to Emis. Pt. Start 120' End 120' Direction to Emis. Pt. (Degrees) Start 303 End \_\_\_\_\_

Vertical Angle to Obs. Pt. Start 20° End 20° Direction to Obs. Pt. (Degrees) Start 122 End 122  
 Distance and Direction to Observation Point from Emission Point Start 123° @ 120' End SAME

Describe Emissions  
 Start NONE End NONE  
 Emission Color \_\_\_\_\_ Water Droplet Plume \_\_\_\_\_  
 Start NONE End \_\_\_\_\_ Attached  Detached  None

Describe Plume Background  
 Start SKY End SAME  
 Background Color \_\_\_\_\_ Sky Conditions \_\_\_\_\_  
 Start WHITE End SAME Start OVERCAST End SAME  
 Wind Speed Start 2-4 End SAME Wind Direction Start NE End SAME  
 Ambient Temp. \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_  
 Start 77 End SAME



Form Number \_\_\_\_\_ Page \_\_\_\_\_ Of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Observation Date	Time Zone	Start Time	End Time	Comments						
12/18/08		9:40	10:10	Sec	0	15	30	45		
Mn	0	15	30	45						
1	0	0	0	0						
2	0	0	0	0						
3	0	0	0	0						
4	0	0	0	0						
5	0	0	0	0						
6	0	0	0	0						
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29	0	0	0	0						
30	0	0	0	0						

Observer's Name (Print) J. VINCENT  
 Observer's Signature [Signature] Date 12/18/08  
 Organization FDEP  
 Certified by EYA Date 7/9/08

Additional Information \_\_\_\_\_

EPA 7775382  
**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method 9      203A      203B      Other: \_\_\_\_\_

Company Name: **MASCHMEYER CONCRETE**  
 Facility Name: **OKECHOBEE PLANT**  
 Street Address: **1651 HIGHWAY 98 NORTH**  
 City: **OKECHOBEE**      State: **FL**      Zip: **34972**

Process: **SLAG SILO**      Unit #: **002**      Operating Mode:  
 Control Equipment: **BAGHOUSE**      Operating Mode:

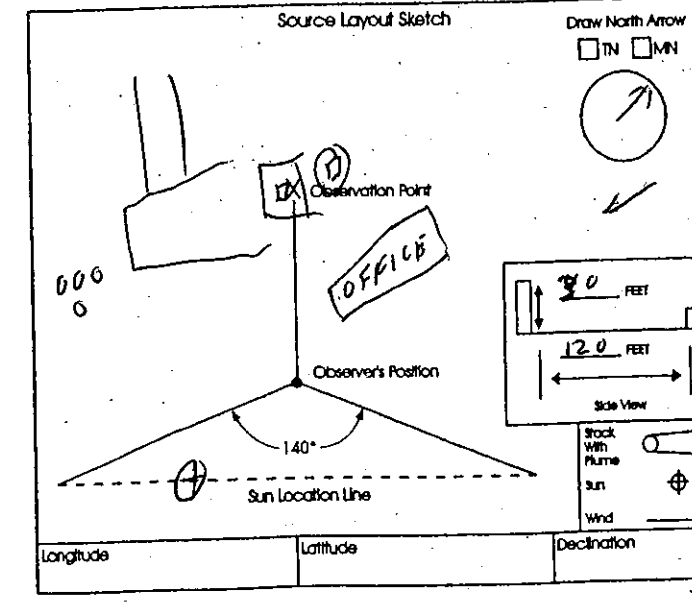
Describe Emission Point:  
**SLAG SILO W/ BAGHOUSE**

Height of Emiss. Pt.      Height of Emiss. Pt. Rel. to Observer  
 Start **30'**      End **30'**      Start **30'**      End **30'**  
 Distance to Emiss. Pt.      Direction to Emiss. Pt. (Degrees)  
 Start **120'**      End **120'**      Start **303**      End **303**

Vertical Angle to Obs. Pt.      Direction to Obs. Pt. (Degrees)  
 Start **20°**      End **20°**      Start **123**      End **123**  
 Distance and Direction to Observation Point from Emission Point  
 Start **123° @ 120'**      End **SAME**

Describe Emissions  
 Start **NONE**      End **NONE**  
 Emission Color      Water Droplet Plume  
 Start **NONE**      End      Attached       Detached       None

Describe Plume Background  
 Start **SKY**      End **SKY**  
 Background Color      Sky Conditions  
 Start **WHITE**      End **SAME**      Start **OVERCAST**      End **SAME**  
 Wind Speed      Wind Direction  
 Start **2-4**      End **SAME**      Start **NE**      End **SAME**  
 Ambient Temp.      Wet Bulb Temp.      RH Percent  
 Start **77**      End **SAME**



Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
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Min	Time Zone				Comments
	0	15	30	45	
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
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29	0	0	0	0	
30	0	0	0	0	

Observer's Name (Print): **J. VINCENT**  
 Observer's Signature: *[Signature]*      Date: **12/18/08**  
 Organization: **FDEP**  
 Certified By: **FYA**      Date: **7/9/08**

Additional Information

EPA 7775382  
**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method 9      203A      203B      Other: \_\_\_\_\_

Company Name  
**MASCHMEYER CONCRETE**

Facility Name  
**OKEECHOBEE PLANT**

Street Address  
**1651 HIGHWAY 98 NORTH**

City      State      Zip  
**OKEECHOBEE      FL      34972**

Process      Unit #      Operating Mode  
**WEIGHT HOPPER      003      \_\_\_\_\_**

Control Equipment      Operating Mode  
**ENCLOSURE      \_\_\_\_\_**

Describe Emission Point  
**WEIGHT HOPPER W/ ENCLOSURE**

Height of Emiss. Pt.      Height of Emiss. Pt. Rel. to Observer  
 Start **10'**      End **10'**      Start **10'**      End **10'**

Distance to Emiss. Pt.      Direction to Emiss. Pt. (Degrees)  
 Start **120'**      End **120'**      Start **303**      End **303**

Vertical Angle to Obs. Pt.      Direction to Obs. Pt. (Degrees)  
 Start **90°**      End **10°**      Start **123**      End **123**

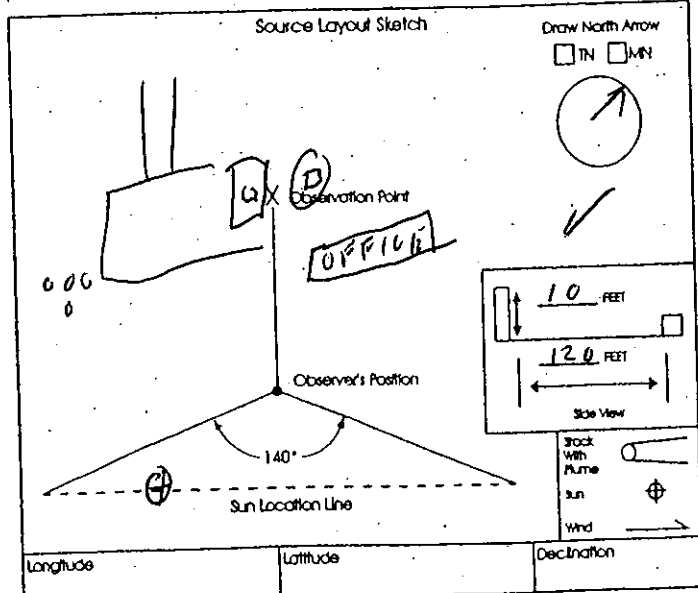
Distance and Direction to Observation Point from Emission Point  
 Start **123° @ 120'**      End **SAME**

Describe Emissions  
 Start **NONE**      End **NONE**  
 Emission Color      Water Droplet Plume  
 Start **NONE**      End **NONE**      Attached       Detached       None

Describe Plume Background  
 Start **SKY**      End **SKY**  
 Background Color      Sky Conditions  
 Start **WHITE**      End **SAME**      Start **OVERCAST**      End **SAME**

Wind Speed      Wind Direction  
 Start **2-4**      End **SAME**      Start **NE**      End **SAME**

Ambient Temp.      Wet Bulb Temp.      RH Percent  
 Start **77**      End **SAME**



Additional Information

Form Number      Page      Of

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Observation Date		Time Zone				Start Time	End Time
12/18/08						9:40	10:10
Min	Sec	0	15	30	45	Comments	
1	0	0	0	0	0		
2	0	0	0	0	0		
3	0	0	0	0	0		
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28	0	0	0	0	0		
29	0	0	0	0	0		
30	0	0	0	0	0		

Observer's Name (Print)  
**J. VINCENT**

Observer's Signature  
*[Signature]*

Organization  
**EDFP**

Observer's Date  
**12/18/08**

Certified By  
**[Signature]**

Date  
**7/9/08**