



# CONCRETE BATCHING PLANT



## COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 0850139 DATE: 6/16/06 ARRIVE: 9:00 AM DEPART: 10:30 AM

FACILITY NAME: Maschmeyer Concrete Company

FACILITY LOCATION: 8123 SW Old Kansas Avenue  
STUART 34997-7123

RESPONSIBLE OFFICIAL: JEFF BISHOP PHONE: (561)848-9112

CONTACT NAME: Bob Tucker, Env. Health & Safety PHONE: tucker@maschmeyer.com  
561-718-0551 (cell)

REMITTANCE YEAR: \_\_\_\_\_ ENTITLEMENT PERIOD: 9/15/2003 / 9/15/2008  
(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

**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
- b) annual compliance within 60 days prior to each anniversary of the air general permit notification form submittal date?-----  Yes  No

**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
- 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
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

Allen Rainey

6/16/06

Inspector's Name (Please Print)

Date of Inspection

*Allen Rainey*

Inspector's Signature

Approximate Date of Next Inspection

**COMMENTS:**

- ① Sprinklers are watering aggregate piles upon arrival
- ② Plant grounds are concrete paved
- ③ Mr. Tucker reports Maschmeyer Concrete has received the EPA Environmental Excellence Award.
- ④ Some dust associated with light vehicular traffic in plant grounds does not envelope top of vehicles
- ⑤ Gutters direct water runoff from aggregate conveyor + other equipment that transports materials to central points. This appears to help prevent track-out.
- ⑥ Performed visible emissions test of truck load-out activities. No visible emissions exceed limiting standard.
- ⑦ **\*\*** Subsequent file review revealed that visible emissions testing was not conducted within 60 days prior to the anniversary date of 8/15/05

VISIBLE EMISSION OBSERVATION FORM 1

Form Number 00001 Page 1 of 1  
 Continued on VEO Form Number N/A

Method Used (Circle One)  
Method 9 203A 2038 Other: \_\_\_\_\_

Company Name Maschmeyer Concrete Co.  
 Facility Name Same  
 Street Address 8123 SW Old Kansas Ave.  
 City Stuart State FL Zip 34997

Process Truck load-out Unit # 001 Operating Mode Normal  
 Control Equipment Baghouse Operating Mode Normal

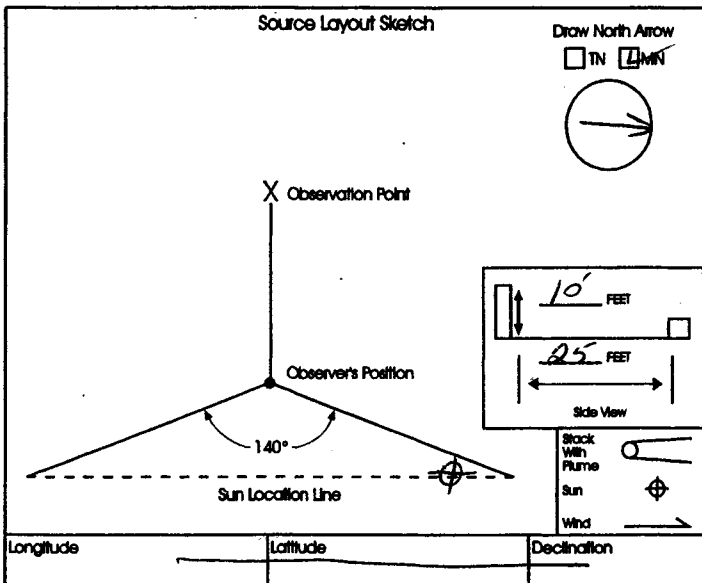
Describe Emission Point  
Truck load-out chute

Height of Emiss. Pt. Start 10' End 10' Height of Emiss. Pt. Rel. to Observer Start 10' End 10'  
 Distance to Emiss. Pt. Start 25' End 25' Direction to Emiss. Pt. (Degrees) Start 300° End 300°

Vertical Angle to Obs. Pt. Start 15° End 15° Direction to Obs. Pt. (Degrees) Start 300° End 300°  
 Distance and Direction to Observation Point from Emission Point Start at chute opening End at chute opening

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

Describe Plume Background shroud  
 Start outlet interior End outlet interior  
 Background Color Start Black End Black Sky Conditions Start Clear End clear  
 Wind Speed Start 0-5 mph End 0-5 mph Wind Direction Start eastern End eastern  
 Ambient Temp. Start 83° End 80° Wet Bulb Temp. - RH Percent 80%



Min	Sec				Comments
	0	15	30	45	
1	0	0	0	0	truck loading
2	0	0	0	0	
3	0	0	0	0	new truck
4	0	0	0	0	
5	0	0	0	0	new truck
6	0	0	0	0	
7	0	0	0	0	
8	0	0	0	0	
9	0	0	0	0	
10	0	0	0	0	
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Observer's Name (Print) Allen Rainey  
 Observer's Signature Allen J. Rainey Date 6/16/06  
 Organization SE District DEP  
 Certified By EIA Date 1/11/06

Additional Information