



# CONCRETE BATCHING PLANT



## COMPLIANCE INSPECTION CHECKLIST

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

**AIRS ID#:** 1110007 **DATE:** 2/17/09 **ARRIVE:** 1:30 **DEPART:** 3:30

**FACILITY NAME:** CEMEX-FT PIERCE (EAST) READY-MIX

**FACILITY LOCATION:** 514 S 3RD ST  
 FORT PIERCE 34950

**OWNER/AUTHORIZED REPRESENTATIVE:** JEFFREY PORTER **PHONE:** (561)820-8415

**CONTACT NAME:** JOHN KIEFER **PHONE:** (772)794-3555

**ENTITLEMENT PERIOD:** 10/12/2008 / 10/12/2013  
(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**

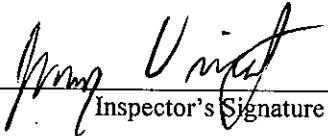
1. Since the last inspection has there been
- a) installation of any new process equipment?-----  Yes  No
  - b) alterations to existing process equipment without replacement?-----  Yes  No
  - c) replacement of existing equipment substantially different than that noted on the most recent notification 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

JEREMY VINCENT

2/17/09

Inspector's Name (Please Print)

Date of Inspection



2/17/10

Inspector's Signature

Approximate Date of Next Inspection

**COMMENTS:** On 2/17/09, JV conducted a compliance inspection including visual emissions testing for Cemex Fort Pierce, East. Upon arrival, I met with Bill Arlington of Arlington Environmental Services, and John Kiefer of Cemex.

The facility is a concrete batching plant which has a split cement silo with cartridge dust collector; this encompasses emission units 011 and 012. Unit 013 consists of a weigh hopper/truck loadout with central baghouse; this is enclosed within it's own building to reduce fugitive dust. The testing of the three units showed no visual emissions present. The facility is paved and swept free of dust; conveyors for aggregate are enclosed. The facility is exceptionally clean; in addition to the enclosed truck loadout, each truck must pass through a water rinse to further reduce fugitive dust. The facility is currently in compliance.

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

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

Company Name: **CFMEX**  
 Facility Name: **FT. PIERCE - EAST**  
 Street Address: **514 E. 3rd ST**  
 City: **FT. PIERCE** State: **FL** Zip: **34950**

Process: **CEMENT SILO** Unit #: **011** Operating Mode: \_\_\_\_\_  
 Control Equipment: **BAGHOUSE** Operating Mode: \_\_\_\_\_

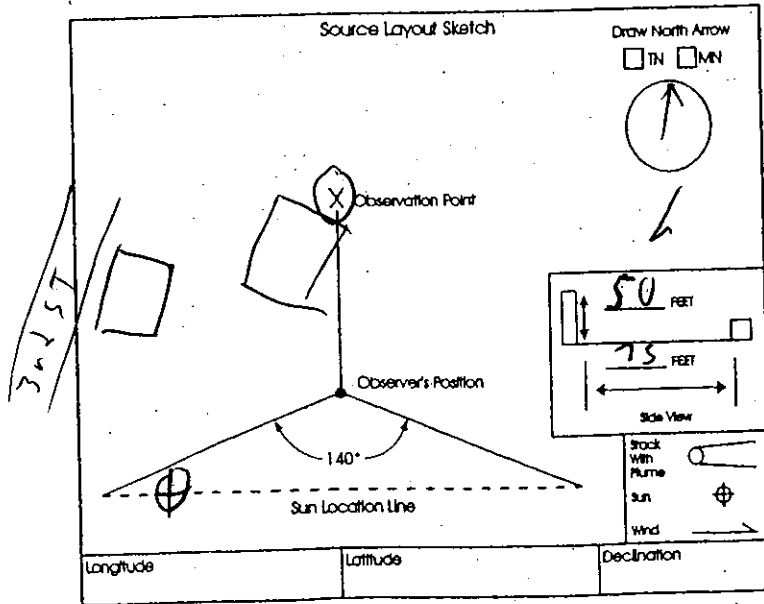
Describe Emission Point: **CEMENT SILO BAGHOUSE**  
 Height of Emiss. Pt. Start: **50'** End: \_\_\_\_\_ Height of Emiss. Pt. Rel. to Observer Start: **50'** End: \_\_\_\_\_  
 Distance to Emiss. Pt. Start: **75'** End: \_\_\_\_\_ Direction to Emiss. Pt. (Degrees) Start: **350°** End: \_\_\_\_\_

Vertical Angle to Obs. Pt. Start: **22°** End: \_\_\_\_\_ Direction to Obs. Pt. (Degrees) Start: **170°** End: \_\_\_\_\_  
 Distance and Direction to Observation Point from Emission Point Start: **75' @ 170°** End: \_\_\_\_\_

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

Describe Plume Background  
 Start: **SKY** End: \_\_\_\_\_  
 Background Color: **DLVE** End: \_\_\_\_\_ Sky Conditions: **SCATTERED** End: \_\_\_\_\_  
 Wind Speed: **3-5** End: \_\_\_\_\_ Wind Direction: **NE** End: \_\_\_\_\_  
 Ambient Temp: **74** End: \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_

Observation Date		Time Zone			Start Time	End Time	Comments
2/17/09					1:52	2:04	
Sec	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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8	0	0	0	0			
9	0	0	0	0			
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Additional Information: **10-PSI EAST SIDE**

Observer's Name (Print): **SEBASTIAN VINCENT**  
 Observer's Signature: *Sebastian Vincent* Date: **2/17/09**  
 Organization: **DOTP**  
 Certified By: **ETA** Date: **1/8/09**

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name CEMEX  
 Facility Name FT. PIERCE - EAST  
 Street Address S 14 E. 3rd ST  
 City FT. PIERCE State FL Zip 34950

Process CEMENT SILO Unit # 012 Operating Mode \_\_\_\_\_  
 Control Equipment DACHOWSK Operating Mode \_\_\_\_\_

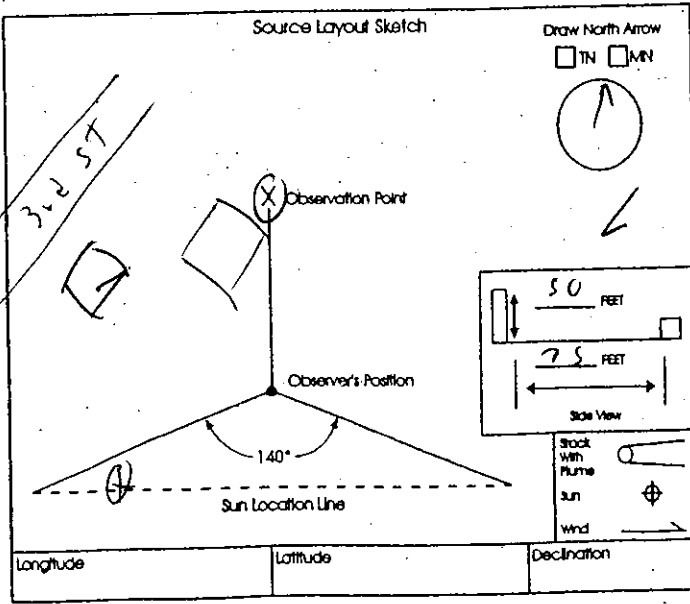
Describe Emission Point  
CEMENT SILO W/ DACHOWSK

Height of Emiss. Pt. Start 50 End \_\_\_\_\_  
 Height of Emiss. Pt. Rel. to Observer Start 50 End \_\_\_\_\_  
 Direction to Emiss. Pt. (Degrees) Start 350 End \_\_\_\_\_

Vertical Angle to Obs. Pt. Start 22 End \_\_\_\_\_  
 Direction to Obs. Pt. (Degrees) Start 170 End \_\_\_\_\_  
 Distance and Direction to Observation Point from Emission Point  
 Start 75' @ 170 End \_\_\_\_\_

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

Describe Plume Background  
 Start SKY End \_\_\_\_\_  
 Background Color Start BLU End \_\_\_\_\_  
 Sky Conditions Start SCATTERED End \_\_\_\_\_  
 Wind Speed Start 3-5 End \_\_\_\_\_  
 Wind Direction Start NNE End \_\_\_\_\_  
 Ambient Temp. Start 74 End \_\_\_\_\_  
 Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_



Additional Information  
7th & 4th PSI - WEST SIDE

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

Observation Date		Time Zone				Start Time	End Time
3/17/09						2:16	2:28
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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7	0	0	0	0	0		
8	0	0	0	0	0		
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Observer's Name (Print) JEREMY VINCENT  
 Observer's Signature Jeremy Vincent Date 2/17/09  
 Organization FOEP  
 Certified By ETA Date 1/8/09