



CONCRETE BATCHING PLANT

COMPLIANCE INSPECTION CHECKLIST



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

AIRS ID#: 0950134 **DATE:** 10/14/2009 **ARRIVE:** 7:52 AM **DEPART:** 10:48 AM

FACILITY NAME: CEMEX Construction Materials-EAST ORLANDO READY-MIX PLANT

FACILITY LOCATION: 7244 NARCOOSSEE RD
ORLANDO 32812

OWNER/AUTHORIZED REPRESENTATIVE: SIGURD BO **PHONE:** (407)841-8409

CONTACT NAME: Rusty Richards **PHONE:** (407)277-0589

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

Ilka Bundy

10/14/2009

Inspector's Name (Please Print)_____
Date of Inspection

10/19/2009

Inspector's Signature_____
Approximate Date of Next Inspection

COMMENTS: The weigh hopper is enclosed inside of a building. A V.E. is not required for the weigh hopper. Staff on site had to replace the connector for the cement tanker to hook up to. Staff took about an hour to replace the connector before the first V.E. could begin. Fugitive emissions were observed coming from the hatch seal on the flyash silo during the flyash loading process. Approximately 11 minutes into the loading process, visible emissions were observed to be around 5% opacity. The emissions progressively got worse as time went by. At 10:33 AM, emissions from the hatch seal were approximately 40-50%. The inspector, Ilka Bundy, notified Rusty Richards, Operations Manager, of the problem. The inspector told Mr. Richards to fix the seal right away. Mr. Richards stated he would have it repaired by the end of tomorrow. The inspector called Sig Bo, Regional Manager, and explained what was going on. Ilka requested to observe another flyash tanker loading the silo after the repairs were completed. Rusty Richards scheduled a flyash tanker for Monday, 10/19/09. Bill Rhodes agreed to observe the flyash tanker loading scheduled for Monday to ensure the seal is repaired. All emission points had an observed opacity of 0%. The flyash loading rate was 25.86 tph. The cement loading rate was 25.7 tph.