



CONCRETE BATCHING PLANT



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) [X] COMPLAINT/DISCOVERY (CI) []
RE-INSPECTION (FUI) [] ARMS COMPLAINT NO: _____

FACILITY: Preferred Materials, Inc.
DBA/Site Name:
ADDRESS: 3757 118th Avenue North, Clearwater, FL
ARMS NO: 1030139 003
PERMIT NO: 1030139-006-AG
DISTRICT: Southwest
CONTACT PHONE: 727-243-8004
Expiration Date: 1/19/2014
Renewal Date: 12/20/2013
Test Date: 2/7/2000

EMISSION UNIT DESCRIPTION: Fly Ash Silo, Controlled by a C&W Baghouse, Model CP-230-639 Dust Collector w / 6 cartridges

INSPECTION DATE: 11/28/12
INSPECTION COMPLIANCE STATUS (check [] only one box)
[X] In Compliance; [] Minor Non-Compliance; [] Significant Non-Compliance

PART I: General Review:

1. Permit File Review [X] Yes [] No
2. Introduction and Entry [X] Yes [] No
Comments: Met w/ Mark Throckmorton in office building. Mr. Throckmorton provided inspectors with records and answered questions.
3. Is the Authorized Representative still: Darryl Fales? [X] Yes [] No
Comments: The e-mail address is:
4. Is the facility contact still: Mark Throckmorton? [X] Yes [] No
Comments: The e-mail address is:
5. If the answer to 3 or 4 is "No", did the facility provide an administrative update within 30 days? [] Yes [] No
[62-210.310(2)(d), F.A.C.]

PART II: TESTING REQUIREMENTS - Rule 62-296.414, F.A.C.
(check [] appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

Compliance Demonstration
1. [] New Facilities / [] New Process Equipment - (permitted pursuant to Rule 62-296.414(4)(a), F.A.C., Air General Permits) Did this facility demonstrate initial compliance no later than 30 days after beginning operation? [] Yes [] No
2. [X] Existing Facilities - (permitted pursuant to Rule 62-296.414(4)(a), F.A.C., Air General Permits) In order to demonstrate annual compliance, was an annual visible emissions test conducted on each dust collector exhaust point within 365 days (annually thereafter) of the previous visible emissions compliance test? [X] Yes [] No
Test Reports
3. Do the submitted visible emission tests demonstrate compliance with the 5 percent opacity limit? [X] Yes [] No
The last visible emission test, conducted on 2/7/12 resulted in an opacity of 0 % for the highest six minute average. [62-296.414(1) F.A.C.]
4. Was the department notified at least 15 days prior to the test? [62-297.310(4)(a)9, F.A.C.] [X] Yes [] No
5. Was the required test report filed with the department as soon as practical, but no later than 45 days after the test was completed? [62-297.310(8)(b)] [X] Yes [] No
6. Was the facility visible emissions test(s) conducted according to EPA Method 9? [62-297.401(9)(c), F.A.C] [X] Yes [] No
7. 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,

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

(check appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

- unless such rate is unachievable in practice? [62-296.414(3), F.A.C.] ----- Yes No
8. Are emissions from a weigh hopper (batcher) operation controlled by the silo dust collector? (If answer to this question is "Yes", then continue on to questions 8.a) and 8.b) below. If answer is "No" then skip to question 9.)----- Yes No
- a) Was the batching operation in operation during the visible emissions test? [62-296.414(3)(c), F.A.C.] ----- Yes No
- b) During the visible emissions test, was the batching rate representative of the normal batching rate and duration? [62-296.414(3)(c), F.A.C.] ----- Yes No
9. 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 while batching at a rate that is representative of the normal batching rate and duration? [62-296.414(3)(d), F.A.C.] - ----- Yes No
10. Was a visible emissions test(s) conducted by the inspector during this site visit according to EPA Method 9? ---- Yes No
- a) The visible emission test resulted in an opacity of 0 % for the highest six minute average.
- b) Did the test indicate the facility is operating in compliance with the 5% opacity standard? ----- Yes No

PART III: OPERATING/RECORDKEEPING REQUIREMENTS – Rule 62-210.310(5)(b), F.A.C.

(check appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

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. For any combination of stationary or relocatable concrete batching plants, located with other concrete batching plants or nonmetallic mineral processing plants:
- a) Are there any additional nonexempt units located at this facility? [62-210.310(5)(b)4.a., F.A.C.]----- Yes No
- b) Is the total combined annual facility-wide fuel usage of all plants less than or equal to the fuel usages listed below: [62-210.310(5)(b)4.b., F.A.C.] ----- Yes No
- 1) 275,000 gallons of diesel fuel – usage equals _____ gallons
- 2) 23,000 gallons of gasoline – usage equals _____ gallons
- 3) 44 million standard cubic feet on natural gas – usage equals _____ cubic feet
- 4) 1.3 million gallons of propane – usage equals _____ gallons
- 5) or an equivalent prorated amount if multiple fuels are used onsite – usage equals _____ % of all fuels
3. Does the owner/operator of the concrete batching plant submitting this registration maintain records to account for site-wide fuel consumption for each calendar month and each consecutive twelve (12) months, and are these records available for Department inspection for a period of at least five (5) years? [62-210.310(5)(b)4.d., F.A.C.] Yes No

Relocation Notification - (Rule 61-210.310(5)(b)3.b., F.A.C.)

1. Is the relocatable concrete batching plant used to mix cement and soil for onsite soil augmentation or stabilization?—(if your answer is YES, please proceed to 1. a) thru 1.b) below) ----- Yes No
- a) Did the owner or operator notify the Department by telephone, e-mail, fax, or written communication at least one (1) business day prior to changing location? ----- Yes No
- b) Did the owner or operator transmit a Facility Relocation Notification Form (DEP No. 62-210.900(6)) to the Department no later than five (5) business days following a relocation? ----- Yes No
- If your answer to number 1. above is NO, proceed to 2. below**
2. Did the owner or operator transmit a Facility Relocation Notification Form (DEP No. 62-210.900(6)) at least five (5) business days prior to relocation? ----- Yes No

PART IV: Unconfined Emissions - 62-296.414(2)

(check appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

1. Does the owner/operator of the concrete batching plant take reasonable precautions to control unconfined emissions ----- Yes No
- Which of the following methods are used:
- 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

PART IV: Unconfined Emissions - 62-296.414(2)

(check appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

- 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? (SC) ----- Yes No

PART V: General Procedure Requirements and Conditions

(check appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

Administrative Changes:

- 1. Were there any changes in the name, address, or phone number of the facility or authorized representative not associated with a change in ownership or with a physical relocation of the facility or any emissions units or operations comprising the facility; or any other similar minor administrative change at the facility ----- Yes No
- 2. If yes, did the facility provide written notification within 30 days of the change? [62-210.310(2)(d), F.A.C.] ----- Yes No

Permit Effective Period – [62-210.310(3)(a), F.A.C.]

- 1. Is the general permit for this facility still within the 5 year effective period? ----- Yes No
- 2. Did the facility submit the new re-registration form at least 30 days prior to permit expiration? ----- Yes No

New or Modified Process Equipment or Change in Ownership

- 1. Since the last registration form submittal has there been [62-210.310 (2)(b)2]
 - 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) Change in ownership----- Yes No
- If any of the answers to 1a) – 1d) is **Yes**, a new registration form and appropriate fee should have been submitted 30 days prior to the change.----- Yes No

Noncompliance Notice: - [62-210.310(3)(i), F.A.C.]

- 1. Did the facility have any instances where they were unable to comply with or will be unable to comply with any condition or limitation of the air general permit? ----- Yes No
 If the answer is **Yes**, proceed to a) and b).
 - a) Did the owner or operator provide immediate notification to the Department? ----- Yes No
 - b) Did the notification include:
 - 1. A description of and cause of noncompliance?----- Yes No
- 2. The period of noncompliance, including dates and times; or if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance? ----- Yes No

PART VI: Comments

O&M Plan

The pollution control equipment shall be operated and maintained in accordance to the operation and maintenance (O&M) plan. The O&M plan shall include, but is not limited to:

- (1) Operating parameters of the pollution control device;
- (2) Time table for the routine maintenance of the pollution control device as specified by the manufacturer;
- (3) Time table for routine periodic observations of the pollution control device sufficient to ensure proper operation;
- (4) A list of the type and quantity of the required spare parts for the pollution control device which are stored on the premises of the permit applicant;
- (5) A record log which will indicate, at a minimum:
 - a. When maintenance and observations were performed;
 - b. What maintenance and observations were performed; and
 - c. Who performed said maintenance and observations.
 - d. Acceptable parameter ranges for each operational check.

[Pinellas County Code, Subsection 58-128]

Reviewed records for the months of 4/13/11 – 11/27/12

Comments: Conducted co-inspection with inspector Mike Thomas. The facility is using O&M plan submitted and received by the Department on 4/13/11. Records and checklists appear complete and accurate according to the submitted O&M Plan.

Annual VE test was completed and submitted within requirements. Results OK.

A VE test was conducted during the loading of the Fly Ash silo (EU# 003) by inspector Farrington. Test was conducted for the entire truck loading (69 minutes and 26.05 tons). Results were **0 %** opacity for the highest period.

The yard is fully paved and well maintained to prevent fugitive dust. A street sweeper is hired once a month to clear roadway and work areas. Other areas are hosed down daily to prevent dust build up. Sprinklers and wind breaks were being used on the aggregate stock piles.

Fugitive dust was observed being generated during the truck loading process exiting under the shroud. A VE was performed during one of the truck loadings. An average of 14.5% opacity was recorded for a <3 min total test period. There is some concern that the dust collector associated with the truck load-out process may not be operating properly.

Exit Interview: Plant manager, Mr. Throckmorton stated that the fugitive dust observed from the truck load-out was being caused by high wind conditions. He stated that no recent problems have occurred with this equipment and the current operational condition has been typical for several years. The approved maintenance plan has been followed. Mr. Throckmorton also explained that the truck load-out system does not contain a spray bar. Mr. Throckmorton was informed by Air Quality Division inspectors that the observations made during the inspection may be considered non-compliance for fugitive dust limit standards. Mr. Throckmorton stated that he will be in contact with management to address the problem.

Received phone call on 11/28/12 from Erin Zimmit (Environmental Manger for Preferred Materials Inc.) to address any concerns from inspection.

Brennan Farrington

Inspector's Name

11/28/12

Date of Inspection

Inspector's Signature

~ 10/13

Approximate Date of Next Inspection